GROUNDWATER SAMPLING AND ANALYSIS FOR PFOA AND APFO FOR DUPONT TOLDEO PLANT TOLEDO, OHIO

Date: August 2007

Project No.: 507816
18985111

CORPORATE REMEDIATION GROUP
An Alliance between
DuPont and URS Diamond

Barley Mill Plaza, Building 19
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4417 Lancaster Pike
Wilmington, DE 19805

August 14, 2007

Mr. Todd Kelleher
Environmental Supervisor
Chemical Monitoring Compliance Unit
Ohio Environmental Protection Agency
Columbus, Ohio 43216-1049

PFOA and APFO Sampling Results – March 27-29, 2007
DuPont Toledo Plant – Toledo, Ohio

Dear Mr. Kelleher:

DuPont collected groundwater samples from twenty-one monitoring wells at the Toledo Plant from March 27 to March 29, 2007. The attached report presents the analytical results for perfluoroocatanoic acid (PFOA) and ammonium perfluorooctanoate (APFO).

Please contact me at (302) 992-6820 if you have any questions.

Sincerely,

Andrew S. Hartten
Project Director

cc: Paul D. Berg – DuPont MTEC
Maria S. Angelo – DuPont Legal
File (Projects Data Base)

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1.0 INTRODUCTION

1.1 Objectives

URS Diamond (URSD), a division of URS Corporation, sampled 21 groundwater monitoring wells at 9 different locations at the plant site from March 27, 2007 to March 29, 2007 to assess Perfluorooctanoic acid (PFOA) levels in underlying groundwater.

1.2 Property Location and Description

The site is located at 1930 Tremainsville Road in Toledo, Lucas County, Ohio (see Figure 1). The area is primarily residential with some commercial and light industrial properties. The site is bordered as follows:

- West: Rail line
- North: Park that is owned by DuPont
- East: Harris Street
- South: Tremainsville Road

The site is situated approximately 4 miles northwest of the Maumee River and approximately six miles west of Maumee Bay of Lake Erie. Blodgett's Ditch, an underground storm sewer line, traverses along the southern boundary of the site, as shown in Figure 2. Tiffts Creek flows from west to east through the undeveloped northern portion of the site, as shown in Figure 2. This creek connects with Blodgett's Ditch off-site to the east to form Shantee Creek.

The site, which is an active plant facility, consists of several manufacturing buildings, warehouses, outdoor tank farms, and an outdoor storage pad (see Figure 2). Most of the production areas are covered with concrete and asphalt. Surface drainage in the production areas is directed towards catch basins that have National Pollutant Discharge Elimination System (NPDES)-permitted outfalls (001 and 002) to Blodgett's Ditch. The northernmost portions of the site adjacent to Bowman Park are covered with grass with surface drainage toward Tiffts Creek.

2.0 SAMPLING AND ANALYSIS

2.1 Monitoring Wells

Twenty-one monitoring wells were sampled from locations around the perimeter of the site (see Figures 3, 4 and 5). The monitoring wells are identified below.

CRG-05A, 05B and 05D

CRG-06A and 06B

CRG-07A and 07B

CRG-08A and 08B

CRG-04A, 04B and 04D

CRG-02A and 02B

CRG-01A and 01B

CRG-10A and 10B

CRG-11A, 11B and 11D

2.2 Sampling and Laboratory Analysis

Groundwater samples were collected in accordance with Ohio EPA *Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring* (May 2005). Low-flow sampling methods were used to extract samples from the monitoring wells and groundwater samples were transferred to bottles for shipment to MPI Research (formerly Exygen), State College, Pennsylvania. MPI Research (MRI) reported results for PFOA and APFO for each sample. The constituent measured at the instrument in all cases was PFOA. MRI converted the PFOA result to APFO by multiplying the PFOA result by 1.041 (the ratio of molecular weight of APFO over PFOA). Analytical results are summarized on Table 1.

2.3 Quality Assurance/Quality Control

Laboratory quality assurance/quality control procedures were conducted on a batch basis and consisted of, at least, the following.

- Replicate samples that were evaluated for precision by the laboratory by comparing the field sample result to the corresponding laboratory result.
- Matrix spike samples that were analyzed to assess accuracy.
- Laboratory method blanks that were analyzed to determine whether target compound results were at or above the limit of detection.

- Field equipment (rinsate) blanks and field duplicate samples (one each from monitoring wells CRG-01A and CRG-04B) were analyzed.

3.0 RESULTS

Table 1 shows the analytical results for twenty-one monitoring well samples and two duplicate samples. Results are reported in NG/ML, which is equal to ug/l or parts-per-billion. The limit of detection for these analyses was 0.0027 NG/ML. Groundwater at the site generally flows from northwest to southeast. The highest PFOA and APFO concentrations detected in the samples were from a location up gradient of the manufacturing area (see Figures 3, 4 and 5).

TABLES

Table 1
Summary of Analytical Results
DuPont Toledo Plant
Toledo, Ohio

			Sample ID	CRG-01A	CRG-01A	CRG-01B	CRG-02A	CRG-02B	CRG-04A	CRG-04B	CRG-04B	CRG-04D	CRG-05A	CRG-05B	CRG-05D	CRG-06A	CRG-06B	CRG-07A	CRG-07B	CRG-08A	CRG-08B	CRG-10A	CRG-10B	CRG-11A	CRG-11B	CRG-11D
			Date	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/27/07	3/29/07	3/29/07	3/29/07	3/29/07	3/29/07	3/29/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07	3/28/07
			Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total (T)/	Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Analyte	Units	Diss. (D)	Duplicate #	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PFOA	NG/ML	T		NQ	<0.0027	<0.0027	NQ	<0.0027	1.1	0.48	0.48	<0.0027	0.028	0.076	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.017	0.024	<0.0027	<0.0027	<0.0027
APFO	NG/ML	T		NQ	<0.0027	<0.0027	NQ	<0.0027	1.1	0.5	0.5	<0.0027	0.029	0.079	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.018	0.025	<0.0027	<0.0027	<0.0027

NG/ML = ug/l = part-per-billion (ppb)
ND = not detected (shown as <LOD)
NQ = not quantifiable.
ND<LOD<NQ<LOQ
LOD - limit of detection
LOQ = limit of quantification
PFOA = Perfluorooctanoic Acid
APFO = Ammonium Perfluorooctanoate

< and ND = Non detect at stated reporting limit

FIGURES

SCALE

2000 0 2000 FT

DUPONT

Corporate Remediation Group

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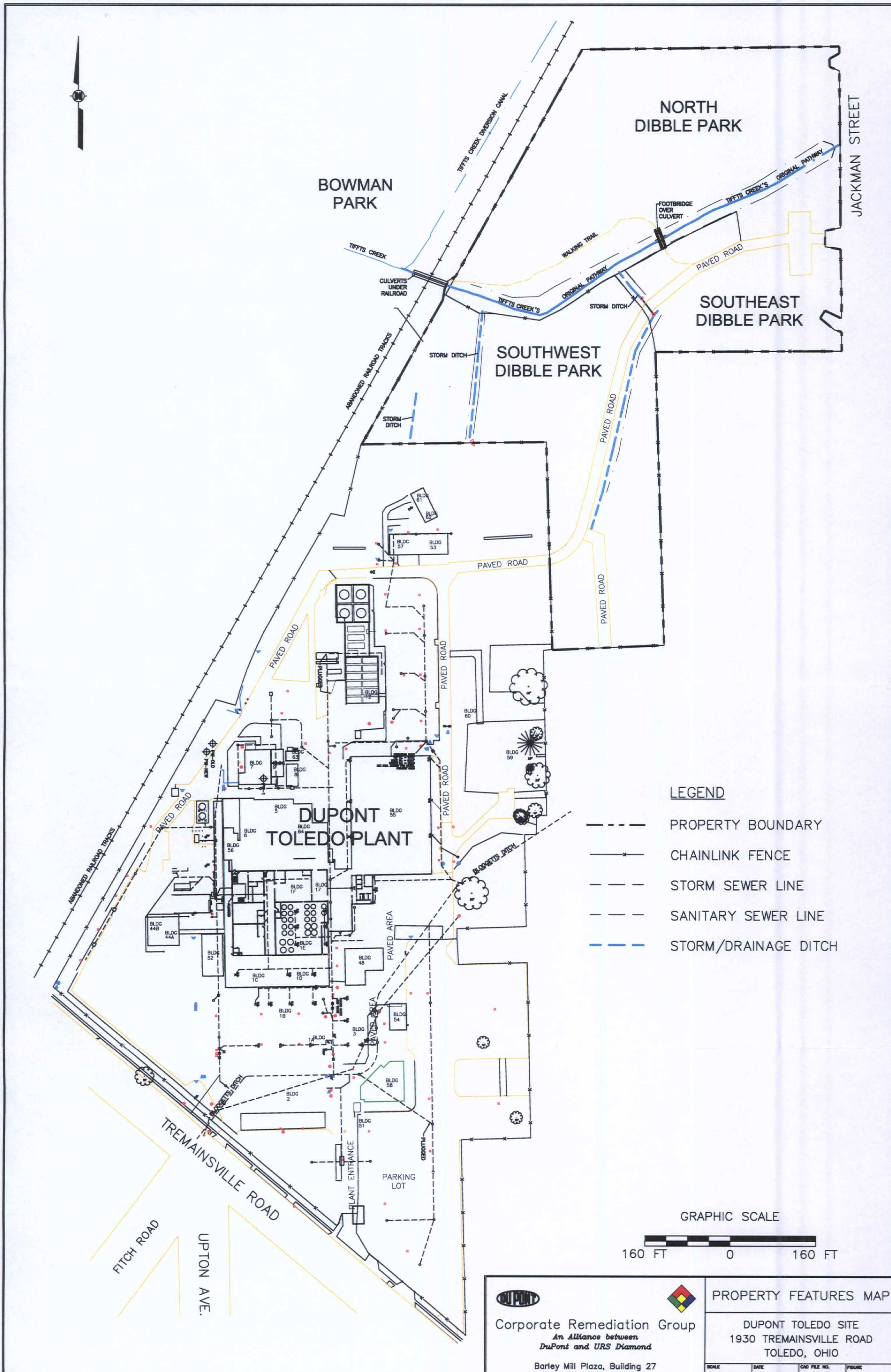
Wilmington, Delaware 19805

SITE LOCATION MAP

DuPONT TOLEDO FACILITY
TOLEDO, OHIO

SCALE	DESIGNED	DRAWN	CAD FILE NO.
1" = 2000'		D.H. ENGLISH	Toledo_Site_Map
DATE	CHECKED	APPROVED	FIGURE
08/15/2007	K.P. JOHNSON		1


NORTH DIBBLE PARK
BOWMAN PARK
JACKMAN STREET
TIFFTS CREEK DIVERSION CANAL
TIFFTS CREEK
CULVERTS UNDER RAILROAD
FOOTBRIDGE OVER CULVERT
TIFFTS CREEK'S ORIGINAL PATHWAY
WALKING TRAIL
PAVED ROAD
STORM DITCH
SOUTHEAST DIBBLE PARK
SOUTHWEST DIBBLE PARK
ABANDONED RAILROAD TRACKS
DUPONT TOLEDO PLANT
PAVED AREA
BLODGETTS DITCH
PLUGGED
PLANT ENTRANCE
PARKING LOT
TREMAINSVILLE ROAD
FITCH ROAD
UPTON AVE.
LEGEND
PROPERTY BOUNDARY
CHAINLINK FENCE
STORM SEWER LINE
SANITARY SEWER LINE
STORM/DRAINAGE DITCH
GRAPHIC SCALE
160 FT 0 160 FT
DUPONT
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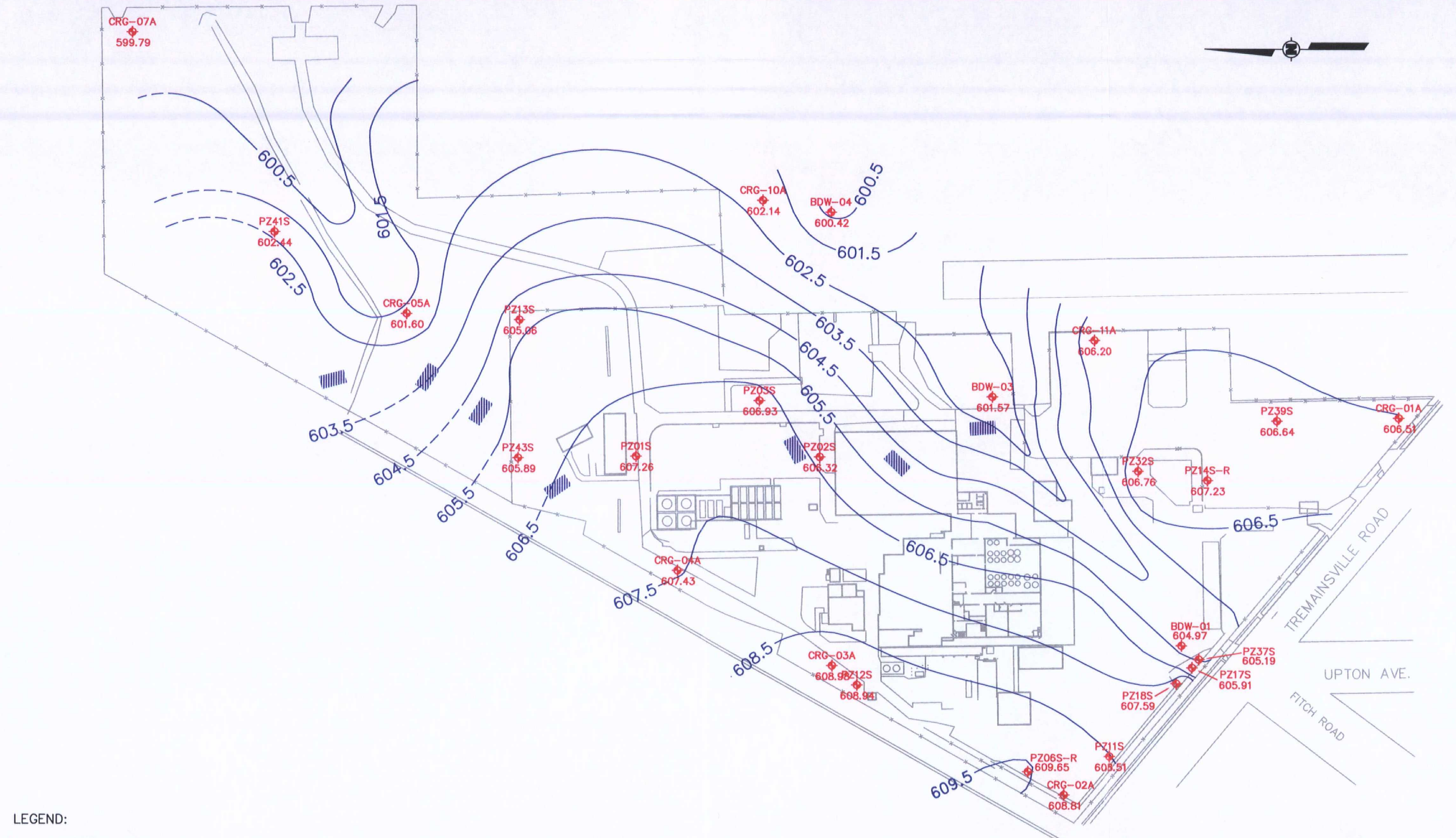
Wilmington, Delaware 19805
PROPERTY FEATURES MAP
DUPONT TOLEDO SITE
1930 TREMAINSVILLE ROAD
TOLEDO, OHIO
SCALE 1" = 160'
DATE AUG. 15, 2007
CAD FILE NO. 441702A
FIGURE 2



LEGEND:

MONITORING WELL

601.5 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 1 FOOT

SCALE
80 0 80'

DESIGNED	INITIALS
K. Jablow	
DRAWN DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

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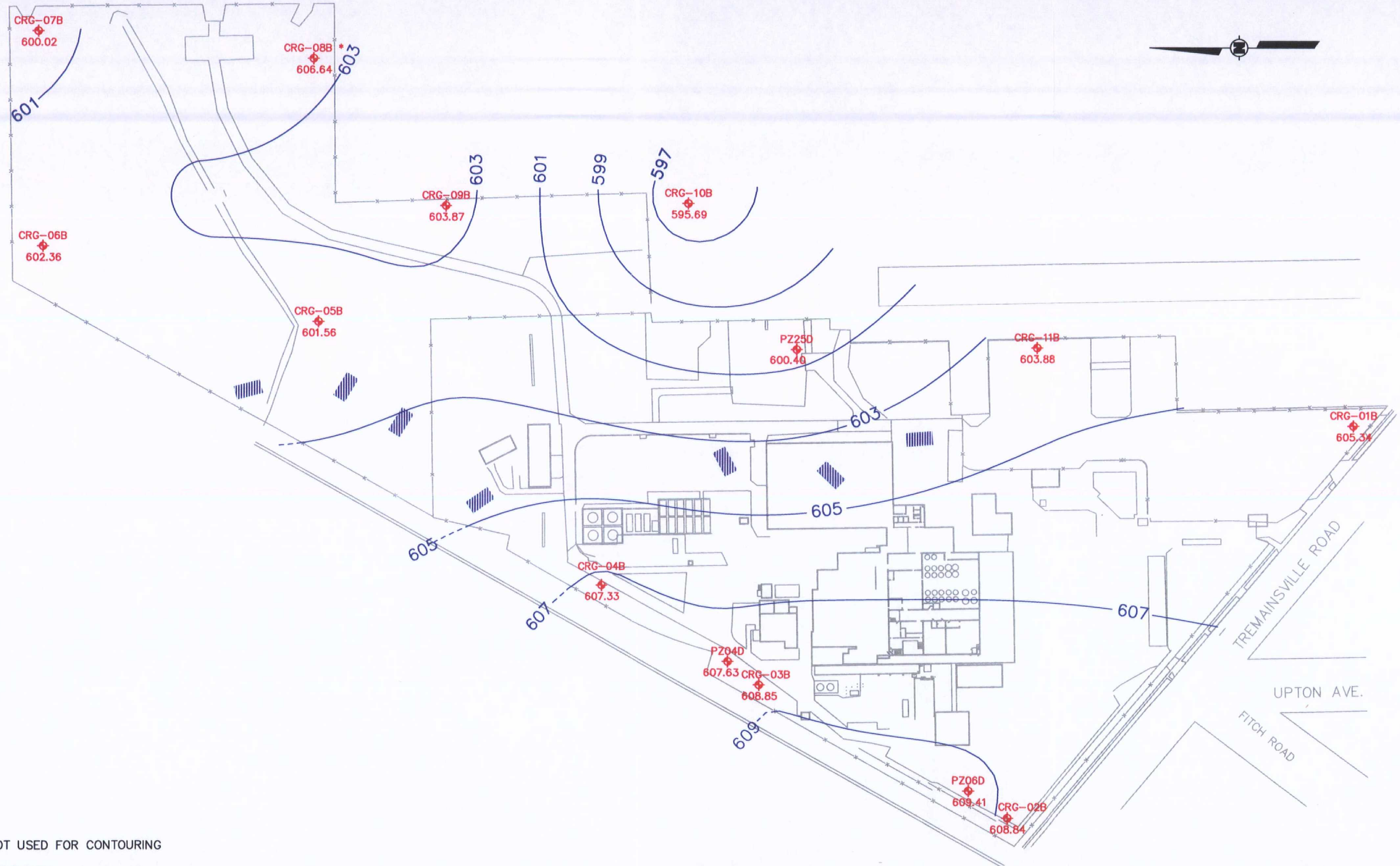
A ZONE GROUNDWATER ELEVATION CONTOUR MAP – 3Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	08/15/2007	Well Azone 3Q05	3



LEGEND:

- * DATA NOT USED FOR CONTOURING
- MONITORING WELL
- 605 GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 2 FEET

SCALE
80 0 80'

DESIGNED	INITIALS
K. Jablow	
DRAWN	
DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

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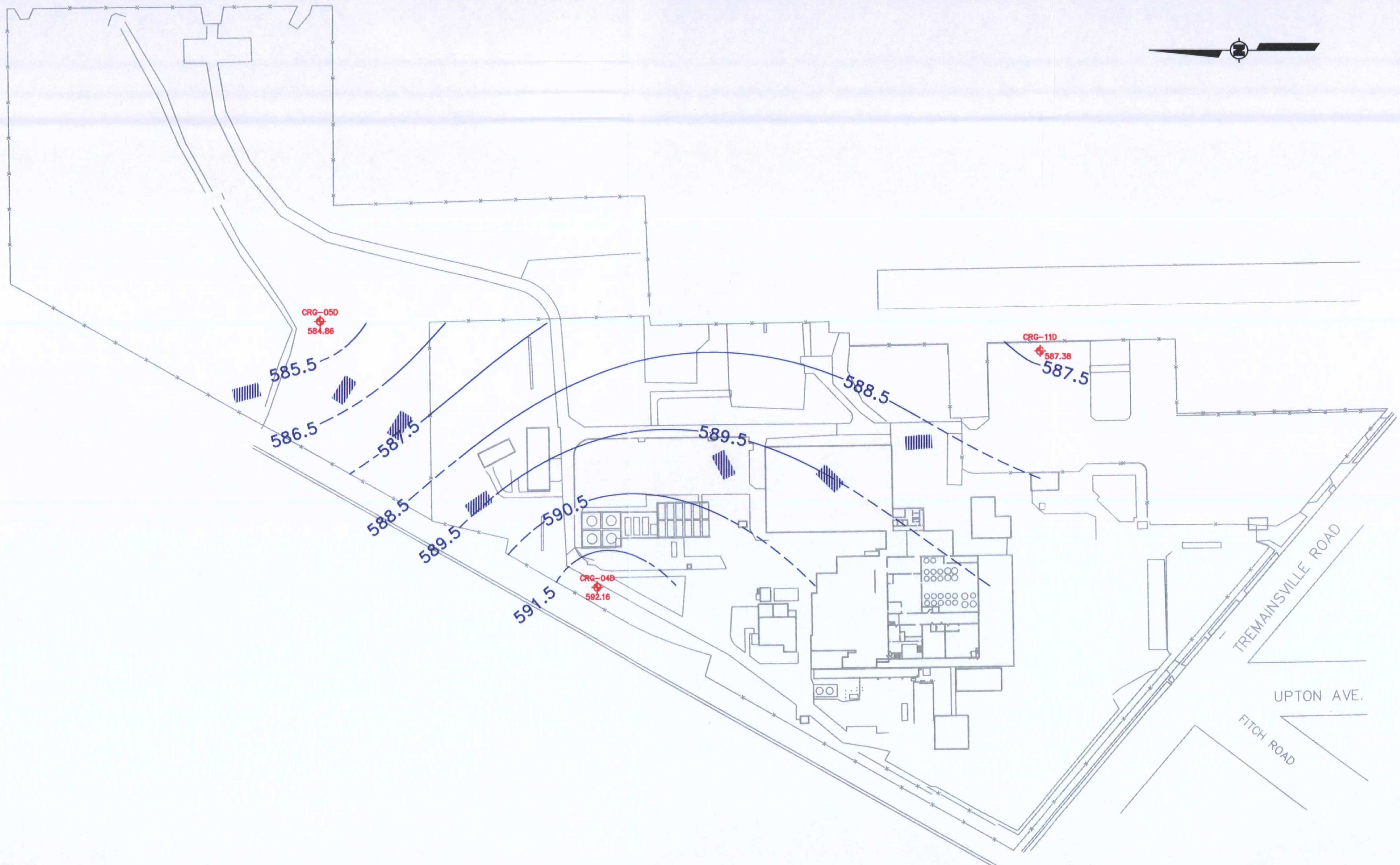
Wilmington, Delaware 19805

B ZONE GROUNDWATER ELEVATION CONTOUR MAP – 3Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	08/15/2007	Well Bzone 3Q05	4



LEGEND:

MONITORING WELL

602.6 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR (DASHED WHERE EXTRAPOLATED)

CONTOUR INTERVAL = 1 FOOT

SCALE
80 0 80'

DESIGNED K. Jablow	INITIALS
DRAWN DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

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Wilmington, Delaware 19805

D ZONE GROUNDWATER ELEVATION CONTOUR MAP – 3Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	08/15/2007	Well Dzone 3Q05	5

PHASE II PROPERTY ASSESSMENT NORTH AND SOUTHEAST SECTIONS, DIBBLE PARK TOLEDO, OHIO

Date: August 2006

Project No.: 507601
18984417.06002

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1.0 INTRODUCTION

1.1 Objectives

URS Diamond (URSD), a division of URS Corporation, was retained by E.I. du Pont de Nemours and Company (DuPont) to conduct Phase I and Phase II Property Assessments at the DuPont-owned Dibble Park property located in Toledo, Ohio. The Property Assessments were performed to evaluate the Dibble Park property for any evidence of past or present environmental impacts that might affect the future divestment of the property or limit its future land use.

This document presents the scope and the findings of the Phase II Property Assessment. The findings of the Phase I are briefly summarized herein but were presented fully in the Phase I Property Assessment Report. The objectives of the Phase II Property Assessment were to collect environmental samples to characterize Northern and Southeastern Dibble Park with particular emphasis on evaluating the two "Identified Areas" (IAs) within those areas, which were identified in the Phase I Assessment. Based upon those soil and groundwater environmental samples, Northern and Southeastern Dibble Park, including the two IAs, were evaluated as to whether they were suitable for unrestricted future land uses.

Both of the Property Assessments were performed in accordance with Rules 3745-300-06 or -07 as specified by the Ohio Environmental Protection Agency (OEPA) Voluntary Action Program (VAP) for Phase I and Phase II Assessments, respectively.

1.2 Property Location and Description

The entire Dibble Park property comprises approximately 12.2 acres of open land located immediately north of the DuPont resin manufacturing and storage plant on Tremainsville Road in the city of Toledo, Lucas County, Ohio. The locations of Dibble Park, the DuPont plant, and the surrounding city parkland (Bowman Park) are depicted on the Site Location Map (see Figure 1).

Dibble Park is separated into North Dibble Park and South Dibble Park by the streambed of Tiffts Creek. The flow in Tiffts Creek, formerly a small perennial stream, was diverted in 2002 by the City of Toledo. Since that time, the former channel through Dibble Park has become a drainage swale, which rarely "flows" except briefly after rain events or in times of a high regional water table.

The South Dibble Park area is further divided into two portions (a Southeast portion and a Southwest portion) by a locked chainlink fence, which surrounds the Southwestern section, the area closest to the plant. The North, the Southeast, and Southwest Dibble Park areas, the Tiffts Creek streambed, and the location of the chainlink fence are shown on the Property Features Map (see Figure 2).

North of Tiffts Creek, the surface of Dibble Park is flat, grassed, and landscaped with tall trees along the property boundaries. Remnants of former recreational areas are found in several places, including a baseball diamond, a tennis court, and concrete foundation slabs from a former storage shed and a former restroom. North Dibble Park and Southeast Dibble Park are open to foot traffic by which the nearby residents gain access to the adjoining City Park, Bowman Park. Residents from neighborhoods to the east can enter the Southeastern area of Dibble Park along Jackman Street, walk a short distance down a paved roadway then cross over the Tiffts Creek streambed on a footbridge. From there, a pathway has been worn in the grass to Bowman Park. A memorial to a traffic accident victim is located along the eastern edge of Southeastern Dibble Park and is also accessible to nearby residents. Although DuPont owns the Dibble Park property, the Phase I Assessment concluded that neither North Dibble Park nor the Southeast Dibble Park properties were used at any time in the past for industrial operations.

A 4.74-acre portion of Dibble Park lies to the southwest of Tiffts Creek. This Southwest Dibble Park area was fenced during investigation activities in 2003. The Phase I Property Assessment concluded that this Southwest Dibble Park area was used as a fill area in the past. The Southwest part of Dibble Park is not being considered for future divestiture.

The groundwater under Dibble Park has been well characterized. A network of 11 nested monitoring wells was installed in 2003 around the perimeter of the entire 37-acre plant property to assess groundwater quality and flow direction. The shallow groundwater is typically encountered at a depth of approximately 5 feet below the ground surface. In the Dibble Park vicinity, shallow groundwater flows towards Tiffts Creek. Two deeper water-bearing zones occur, with groundwater flow in an easterly direction.

A variety of land uses are found in the immediate vicinity of Dibble Park. Commercial property borders Dibble Park to the north, an extensive residential area lies across Jackman Road to the east of the park. The operating DuPont plant is located to the south of the Southwest Dibble Park area, and an unused, elevated railroad track borders Dibble Park to the west. A City of Toledo park (Bowman Park) is located directly on the western side of the elevated railroad tracks. Three schools are found in the immediate area, located at distances of approximately 1,400 feet north-northwest, 1,400 feet east-southeast, and 2,000 feet west of Dibble Park.

1.3 Legal Description of the Property

Dibble Park is a portion of a 37-acre parcel of land situated in the City of Toledo, County of Lucas, State of Ohio and being a part of the northeast and southeast ¼'s of Section 16, Town 9 south, Range 7 east, and being more particularly described as follows:

"BEGINNING at the east ¼ corner of said Section 16, a found monument, thence North 89° 15' 24" West, 373.60 feet (measured and recorded) upon the east-west centerline of said Section 16 to a set capped iron pin and passing a found concrete monument at 30.00 feet, said iron pin also being the northwest corner of Lot 2 of the Subdivision of Harris Farm as recorded in Plat Book 15, Page 32;

Thence South 01° 01' 02" East, 939.87 feet measured upon the east line of Lot 2 of said Subdivision of Harris Farm, to a found iron pipe at the northeast corner of the south ½ of Lot 14 of the Harris Subdivision as recorded in Plat Book 22, Page 36;

Thence North 89° 57' 30" West, 188.45 feet (measured and 188.47 calculated) upon the north line of the said south ½ of Lot 14 to a found iron pipe in the easterly right-of-way line of Harris Street (40.00 foot R/W);

Thence North 00° 02' 30" East, 65.00 feet upon the said easterly right-of-way line of Harris Street.

Thence North 89° 57' 30" West, 40.00 feet upon the north line of a parcel of land as deeded to the City of Toledo by as recorded by Microfiche Document No. 87-519A11 to the westerly right-of-way line of Harris Street;

Thence South 00° 02' 30" West, 215.00 feet (measured and recorded) upon the said westerly line of Harris Street to a drill hole in a concrete drive, and being the northeast corner of Lot 11 of Harris Subdivision as recorded in Plat Book 22, Page 36 and passing a set capped iron pin at 65.00 feet;

Thence North 89° 57' 30" West, 180.00 feet (measured and recorded) upon the north line of said Lot 11 to a set capped iron pin in the west line of the aforementioned Lot 2 of the Subdivision of Harris Farm and being the northeast corner of Lot 11;

Thence South 00° 02' 03" West 50.00 feet upon the west line of said Lot 2 and said Lot 11 to a found iron pipe at the southwest corner of the north ½ of said Lot 11 of Harris Subdivision;

Thence South 89° 57' 30" East, 180.00 feet (measured and recorded) upon the south line of the north ½ of said Lot 11 to a set capped iron pin in the westerly right-of-way of Harris Street;

Thence South 00° 02' 30" West, 350.03 feet measured upon the said westerly line of Harris Street to a set capped iron pin at the northeast corner of Lot 7 of said Harris Subdivision;

Thence North 89° 57' 30" West, 180.00 feet (measured and recorded) upon the north line of said Lot 7 of Harris Subdivision to a set capped iron pin in the west line of Lot 7 of Harris Subdivision and the west line of Lot 2 of the Subdivision of Harris Farm;

Thence South 00° 02' 03" West, 360.50 feet (measured and recorded) upon the west line of Harris Subdivision and the west line of Lot 2 the Subdivision of Harris Farm to a set capped iron pin in the northeasterly right-of-way line of Tremainsville Road;

Thence North 49° 00' 00" West, 626.74 feet measured to a set capped iron pin at the intersection of the said northeasterly line and the west line of Lot 3 of the Subdivision of Harris Farms;

Thence North 48° 50' 07" West, 397.89 feet measured upon the said northeasterly line of Tremainsville Road to set capped iron pin at the intersection point with the Toledo Terminal Railway Company southeasterly right-of-way line;

Thence North 30° 36' 56" East, 1377.03 feet measured upon said southeasterly right-of-way line to a found concrete monument at the intersection point of the said southeasterly right-of-way line with the east/west centerline of Section 16;

Thence continuing upon said southeasterly right-of-way line North 30° 15' 15" East, 654.66 feet measured to a found concrete monument at the intersection of the right-of-way with the north line of the south 572.00 feet of the northeast ¼ of said Section 16;

Thence South 89° 15' 24" East, 512.92 feet measured to the east line of the northeast ¼ of said Section 16 and passing a found concrete monument in the westerly right-of-way line of Jackman Road at 482.92 feet measured;

Thence South 00° 31' 07" West, 572.00 feet upon the said east line of the northeast ¼ Section 16 also being the centerline of Jackman Road to the point of beginning.

Containing 37.0221 acres more or less and subject to Jackman Road R/W of 0.3939 acres more or less."

The above-described 37-acre parcel would require formal subdivision prior to the divestment of the North or Southeast Dibble Park portion.

1.4 Phase I Property Assessment – all of Dibble Park

The 2005 Phase I Property Assessment entailed an evaluation of historic information about Dibble Park and its environs by which to identify all known (or suspected) releases of hazardous substances or petroleum products that have (or may have) occurred on, underlying, or emanating from the Dibble Park property.

The review of historic information indicated that no release of hazardous materials or petroleum had ever occurred on the North or the Southeastern Dibble Park property. North Dibble Park was historically used by DuPont as a recreation area/open area for plant employees. However, an area of fill materials was found in the shallow subsurface in the Southwestern Dibble Park area, to the southwest of Tiffts Creek. The fill consisted of building and piping debris intermixed with soil.

The Phase I Property Assessment concluded that four locations within Dibble Park had the potential for environmental concern. These so-called "Identified Areas" (IAs) are shown in Figure 3 and include the following:

- IA 1 – a Geophysical Anomaly Area identified in the 2002 and 2003 geophysical surveys (located in the Southwest Dibble Park area)
- IA 2 – Tiffts Creek outline (both North and South Dibble Park areas)
- IA 3 – Potentially Impacted Surficial Soils located to the west of IA 1 (in the Southwest Dibble Park area)
- IA 4 – a Building Foundation (in the North Dibble Park area)

The scope and objectives of the subsequent Phase II Assessment were the evaluation of the above IAs.

1.5 Other Historic Investigations

Prior to the 2005 Phase I Property Assessment, the other evaluations conducted in Dibble Park have focused upon the identification and the subsequent delineation of the fill area discovered in 2002 in the Southwest Dibble Park area. A test pit evaluation was conducted in the Southwest part of Dibble Park in 2003 to visually delineate the fill areas; the locations of those 14 test pits are shown as TP-01 to TP-14 in Figure 4. Later in 2003, shallow soil samples of the upper 6 inches of soil were collected from 25 soil borings shown as DP-01 to DP-25 in Figure 4. Additional test pits TP-15 to TP-50 were excavated in June 2004 to delineate the fill materials in the Southwest Dibble Park area.

The characterization of groundwater quality began with the installation and sampling of the well network in 2003.

1.6 Data Goals of the Phase II Property Assessment

Many different land uses are present in the vicinity of Dibble Park; therefore, the North and Southeast Dibble Park area could potentially be sold for a variety of land uses including commercial, industrial, parklands, or residential. The evaluation of the Dibble Park soils was therefore guided by the need to compare property data to the most stringent (i.e., residential) standards.

The following data collection approaches and goals were used for the Phase II characterization sampling:

- Visually and chemically delineate the extent of fill materials in South Dibble Park in order to establish a quantifiable boundary of the area to be retained by DuPont into the future.

- Sample the surface soils in Dibble Park and sediments along Tiffts Creek from the ground surface to a depth of 4 feet and compare those soil data to the residential soil standards (VAP Generic Direct Contact Soil Residential Criteria, 10/2002).
- Sample the groundwater in the Dibble Park vicinity and evaluate the concentrations of constituents in the groundwater (if any) that could potentially pose a human exposure risk to future recreational or residential users.
- Evaluate the need for future remedial options based on the findings of the Phase II characterization.

The objectives of the sampling program and the details of the sampling approaches are described in greater detail in Section 3.0.

1.7 Phase II Investigation Schedule

Field data were collected for the Phase II soil characterization during August and September 2005. Groundwater samples were collected in March, June, and September 2005.

1.8 Report Organization

This Phase II Report is organized into the following sections:

- Section 1.0 describes the objectives, provides the legal description of the property, and summarizes the Phase I property assessment, other historic investigations, Phase II property assessment data goals, and the Phase II investigation schedule.
- Section 2.0 describes the physical setting of the property.
- Section 3.0 describes the Phase II objectives of the sampling program and the sampling approach.
- Section 4.0 contains the Phase II data evaluation.
- Section 5.0 provides the summary and recommendations.
- Section 6.0 contains the references cited in this report.

2.0 PHYSICAL SETTING OF DIBBLE PARK

2.1 Drainage and Surface Water Features

Dibble Park is bisected by Tiffts Creek (further downstream called Shantee Creek), formerly a small perennial waterway, which was diverted in late 2002 by the City of Toledo. It now flows along the western side of the elevated rail track (see Figure 2). The channel of the former creek through Dibble Park is now a vegetated wet swale, which collects surface water briefly after rain events. In the South Dibble Park area, a storm/drainage ditch parallels the roadway on its eastern side and is piped under the road and drains into Tiffts Creek.

The former Tiffts Creek channel extends west to east through Dibble Park. Downstream of the property, the stream (here called Shantee Creek) flows north-northeast into the Ottawa River approximately three miles east of Dibble Park. The Ottawa River discharges into the North Maumee Bay of Lake Erie approximately eight miles east-northeast of the property.

Portions of Dibble Park have been mapped by the Federal Emergency Management Agency (FEMA) as lying within the 100-year floodplain of Tiffts Creek (see Figure 5). This classification likely predated the diversion of the creek into its current channel; it no longer traverses the Dibble Park property.

An ecological evaluation of the Tiffts Creek channel was performed for URSD by a biologist from the URS Ecological Assessment regional center (Fort Washington, Pennsylvania). The conclusion of the evaluation was that the diversion of the flow in Tiffts Creek in 2002 altered the potential for and habitat of value to be sustained along the former channel and banks.

2.2 Regional Geology, Hydrology, and Hydrogeology

The city of Toledo is located on the Maumee Sand Plains within the Huron-Erie Lake Plains physiographic region of northwestern Ohio (Brockman, 1998). This region is described as consisting of near-shore or shallow delta lacustrine sands overlying a silty clay till, both being deposited in glacial lakes of the Quaternary Age (Pavey and Goldthwait, 1993). A map entitled *Primary Lithology of the Unconsolidated Deposits of Ohio* was produced by the Statewide Aquifer Mapping Project (SAMP) of the Ohio Department of Natural Resources (ODNR) Division of Water (Angle, et al., 2000). SAMP mapping shows the primary lithology of the unconsolidated deposits as "Fines" (see Figure 6) and the glacial drift thickness as "25 to 100 feet" (see Figure 7).

The glacial sediments are underlain at depths of 10 to 88 feet below grade by the undifferentiated Salina Group dolomite bedrock of Silurian Age (Larsen, 1994).

An average of approximately 33 inches of precipitation falls on Lucas County annually (Moll, et al., 1997). The average precipitation is nearly 3 inches per month, based on the

30-year record from 1961-1990. February is typically the driest month (1.7 in), and June is the wettest (3.8 in).

The shallow glacial sand acts as a near-surface-water table, which historically was used as a domestic water supply in some areas; however, the "lake clays underlying the area are so dense and have such high capillarity that groundwater is difficult to obtain" (Bernhagen, et al., 1946). The same report stated that dug wells were widely used at the time because of their larger infiltrating surface and their holdover storage. The lacustrine setting of the unconsolidated glacial deposits is indicated by the *Hydrogeologic Settings of the Unconsolidated Aquifers of Ohio* map (Angle, et al., 2000) produced by the Statewide Aquifer Mapping Project (SAMP) of the Ohio Department of Natural Resources (ODNR) Division of Water (see Figure 8). Yields of less than 5 gallons per minute are reported for the unconsolidated glacial deposits in the Dibble Park area (see Figure 9).

The Pollution Potential of the groundwater has been estimated by use of the DRASTIC mapping process (Aller, et al., 1987; Hallfrisch, 2002). This pollution potential scoring system uses multiple criteria [including the depth to water, net recharge, aquifer medium, soil medium, topography (i.e., slope), impact of the vadose zone medium, and hydraulic conductivity of the aquifer] to generate a relative pollution potential. The general hydrogeologic setting for the Dibble Park property is 7F (Glacial Lake Plains Deposits, Figure 10); indicative of areas with low vulnerability of groundwater to pollution.

The uppermost dolomite bedrock aquifer is capable of yielding 5 to 25 gallons of water per minute (see Figure 11) although wells in deeper portions of the bedrock aquifer (100 to 500 feet deep) can yield 100 to 500 gpm (see Figure 12; Hallfrisch, 1986). The regional groundwater flow direction is to the east towards the Maumee River and Lake Erie.

2.3 Property-Specific Geology and Hydrogeology

2.3.1 Property-Specific Geology

A well-log record from a 317-foot deep well on the adjacent Black Diamond Nursery property (1964 Tremainsville Road) shows the unconsolidated glacial deposits to extend to a depth of about 137 feet (Appendix A). This 137-foot depth to bedrock is greater than the 60 to 90-foot depth referenced in regional mapping (Kunkle, 1971; Leow, 1994). The Nursery property lies about 20 feet higher in elevation than Dibble Park.

At the Nursery, the unconsolidated deposits consist of 20 feet of brown mud (silt), below which lies 80 feet of gray clay, below which lies 37 feet of a mixture of gravel, sand, and clay.

A groundwater assessment was performed at the Toledo plant in 2003 consisting of the installation of 11 nested well groups. Five distinct geologic (and hydrologic) zones were recognized in the subsurface:

- <u>The A-Zone</u> comprises native sands and silty-clayey sands with gravel. At the surface is a light brown to buff silty sand layer 3 to 10 feet thick with varying amounts of thickness and of clayey lenses and stringers. The fill/sand layer is considered to be a single hydrologic unit. The A-Zone soils are generally loose with 2 to 8 blows/6 inches in the natural soils and up to 18 blows/6 inches in fill materials.

- The B-Zone comprises dark gray silty-clay ranging 8 to 25 feet thick with an average thickness of 16 feet. The unit consists of soft silty clay with interbedded dense silt lenses, which range in thickness from 2 to 12 inches. Blow counts per 6 inches throughout the unit typically range from 1 to 7, with exceptions up to 15 blows/6 inches in the silt lenses of the upper portions of the unit.
- The C-Zone is a dark-gray soft clayey-silt with trace amounts of sand and fine gravel. This unit has been referred to as "Till" in earlier reports and is likely composed of lacustrine deposits or ablation till. The unit ranges from 10 feet to 17 feet thick.
- The D-Zone comprises till materials consisting of a dense (23 to 90 blows per 6 inches) gray to light-gray silt with trace amounts of fine gravel. The total thickness of this unit under the site is unknown because borings at the site have extended only 6 feet into the unit due to its density. Any underlying unconsolidated materials have been included in the D-Zone.
- The Bedrock-Zone underlying the D-Zone is classified as Salina Group dolomite (Larsen, 1994).

2.3.2 Property Hydrogeology

The groundwater in the vicinity of Dibble Park has been measured by the network of monitoring wells installed in 2003 around the perimeter of the DuPont property. Eleven pairs of wells were installed into the A-Zone and B-Zone geologic zones. The locations of the monitoring wells are shown in Figure 13. Three of these eleven well pairs are located within Dibble Park, including CRG-06, CRG-07, and CRG-08. Well clusters CRG-05 and CRG-09 are located within the Southwestern section of Dibble Park, which is excluded from this report; however, water quality in the CRG-05 well is evaluated due to its location upgradient of Dibble Park.

At three well cluster locations, a deeper D-Zone well was also installed; one D-Zone well (well CRG-04-D) is upgradient of the DuPont plant, and one (CRG-05-D) is located in the Southwest part of Dibble Park.

Groundwater quality data collected since 2003 have consistently shown that a shallow (A-Zone) groundwater divide is present in the subsurface at the northernmost edge of the plant. This groundwater divide causes the shallow (A-Zone) groundwater from areas north of the plant to flow northeasterly towards Tiffts Creek, while the shallow (A-Zone) groundwater beneath most of the plant flows southeasterly towards Blodgetts Ditch. The shallow groundwater in the Dibble Park area lies generally within about 5 feet of the ground surface.

Shelby tube samples were collected for permeability analysis from the A-Zone, the B-Zone, and the C-Zone soils in 2003. Falling-head permeability tests indicated median vertical hydraulic conductivity values for the saturated lower clayey portion of the A-Zone of 2.6×10^{-6} cm/sec. The samples collected from the B-Zone and C-Zone had median hydraulic conductivity values of 1.4×10^{-7} and 7.1×10^{-8} cm/sec, respectively (DuPont, 2003).

In-situ permeability ("Slug") tests were conducted from the more granular screened sections in A-Zone and B-Zone wells in October 2005. The median falling-head hydraulic conductivity values were 2.0×10^{-3} cm/sec and 2.8×10^{-4} cm/sec, respectively, as calculated by the Bouwer-Rice method. These results are presented in Table 1.

3.0 PHASE II OBJECTIVES AND FIELD PROGRAM

3.1 Phase II Investigation Objectives

The Phase I Property Assessment for Dibble Park (March, 2006) recommended that the following site-specific data objectives be addressed in the Phase II fieldwork for the North and Southeastern sections of Dibble Park:

- Perform field investigation, sampling, and testing of the soils in and around the four IAs (two of which were located in the North Dibble Park area) to characterize the soils in accordance with OEPA guidelines.
- Collect soil samples from ground surface to a depth of 4 feet in order to evaluate possible future uses of the North and Southeast Dibble Park areas (e.g., recreational parkland or a residential scenario).
- Sample the monitoring wells around Dibble Park to assess whether groundwater could potentially pose a human exposure risk to residents or to recreational users of the Park.

3.2 Soil Investigation using Test Pits

A field investigation consisting of the excavation and sampling of test pits was performed in Dibble Park in August and September 2005:

- The test pits were excavated using a rubber-tired backhoe with an extended 24-inch bucket. They were completed to depths of approximately 4 to 4.5 feet below grade. All test pit locations were backfilled with the excavated soils from that respective test pit and compacted using the backhoe bucket in approximate 12-inch lifts.
- Eighteen of the test pits (designated as TP-55, TP-56, and TP-75 through TP- 90) were performed in "background" areas, North Dibble Park and Southeast Dibble Park (see Figure 14). The goal of the test pitting was to chemically confirm that the soils did not contain elevated levels of organic compounds, and to quantify background concentrations of metals in undisturbed local soils. An additional six test pits (designated TC-04 through TC-09) were excavated along the former channel of Tiffts Creek. A sample was collected near the "IA 4 – Building Foundation" in the North Dibble Park area.
- Twenty-four soil samples (one from each test pit) were collected from a depth interval of 0 to 4 feet below ground surface, the depth interval specified under OEPA VAP for comparison to the Residential Generic Direct-Contact Soil Standards. The majority of the samples were composited over the 0 to 4-foot interval; however, grab samples were collected using EnCore samplers for volatile organic compound (VOC) analysis. Additional soil samples were collected from specific depths within that 0 to 4-foot interval to evaluate possible changes in constituent concentrations with depth.

- The soil samples were analyzed for Appendix IX VOCs, semi-volatile organic compounds (SVOCs), and metals by an OEPA VAP-certified laboratory. Based on previous investigations, a lower detection limit was requested to permit the comparison of soil samples to applicable screening levels for benzo(a)pyrene.

The results of the soil sampling effort for the 24 test pits located within the North and Southeast portions of Dibble Park are described in Section 4.0 of this report.

3.3 Groundwater Investigation

As a part of the Phase II evaluation of the groundwater conditions at Dibble Park, all of the existing groundwater monitoring wells were sampled in March, June, and September 2005 using a low-flow methodology. The groundwater samples were analyzed for Appendix IX VOCs, SVOCs, and total and dissolved metals. In the September event, specific analytical protocols were changed to result in lower detection limits so that the data could be compared to the Unrestricted Potable Use Standards (UPUS, or groundwater quality standards) per OEPA guidelines. Based on previous test results, lower detection limits using method 6020 were requested for arsenic, barium, and thallium to permit the comparison of groundwater samples to applicable screening levels for thallium.

The results of the 2005 groundwater sampling events for the nine wells that comprise clusters CRG-05, CRG-06, CRG-07, and CRG-08 are presented in Section 4.0 of this report.

4.0 EVALUATION OF PHASE II DATA – NORTH AND SOUTHEAST DIBBLE PARK

4.1 Soil Characterization Summary

A total of 24 test pits were excavated in the area of interest: North Dibble Park (ten pits), Southeast Dibble Park (eight pits), and along the drainageway of Tiffts Creek (six pits). Soil samples were analyzed from each test pit. The depths of the samples and the results of the soil analyses are discussed below and are summarized in Table 2:

- No visible contamination or detectable odors were observed during the performance of any of the above test pits.
- No Appendix IX VOCs or SVOCs were detected in the soil samples at concentrations above the VAP Residential Direct Contact Soil Criteria (10/2002).
- Although the metal lead and the SVOC benzo(a)pyrene had been identified as potential contaminants of concern based on previous investigations, they were not detected at concentrations above the Residential Direct Contact Soil Criteria in any of the soil samples from the areas listed above (see Table 3).
- Only one inorganic constituent, the metal arsenic, was present in the soil samples at concentrations above the VAP Residential Direct Contact Soil Criteria of 6.8 mg/kg. Arsenic concentrations are shown in Figure 15. Data shown in red exceed the soil criteria; this occurred at 10 of the 24 sample locations. Samples containing arsenic in excess of the VAP soil criteria ranged from 7.74J mg/kg (estimated concentration) to 18.8 mg/kg.
- At selected locations, multiple soil samples were collected and analyzed for arsenic and lead for vertical delineation purposes (refer to the sample depths in Tables 2 and 3). These multiple sampling locations indicated decreasing concentrations with depth with the highest concentrations usually found in the uppermost 0.5 to 2.5 feet.
- The soil samples containing arsenic at a concentration above the VAP soil criteria were collected from both North Dibble Park and Southeast Dibble Park areas. No evidence of disturbance (other than for recreational purposes) or of any commercial or industrial activities were seen in either of these areas in the historical document review performed during the Phase I Property Assessment. As such, the arsenic level in these portions of Dibble Park is considered to represent background soil concentrations.
- Six test pits were performed in the channel of Tiffts Creek (designated as TC-04 through TC-09). With the exception of arsenic as discussed above, no other analytes tested were present at a concentration above the VAP Residential Soil Criteria.

- The arsenic level in the Tiffts Creek samples was greater at the western property boundary (where the creek formerly entered the Dibble Park property) than in the next two successive downstream samples (see Figure 15).
- The average concentration of arsenic over the different portions was consistent; the samples from all 24 test pits plus two duplicates had a mean value of 7.213 mg/kg; samples from North Dibble Park plus Southeast Dibble Park had a mean value of 6.937 mg/kg; the mean of the samples from North Dibble Park was 6.585 mg/kg. The VAP Residential Direct Contact Soil Criterion is 6.8 mg/kg.

4.2 Groundwater Characterization Summary

Four existing monitoring well clusters surround Dibble Park: CRG-05, CRG-06, CRG-07, and CRG-08. Each cluster contains at least one well in the A-Zone and one well in the B-Zone, each of which were sampled for the Phase II Property Assessment. Three rounds of groundwater sampling were performed: March, June, and September 2005. Only the September 2005 sampling included an analysis of total metals; the March and June 2005 samples were analyzed for dissolved metals.

4.2.1 Groundwater Quality Results

Volatile Organic Compounds (VOCs)

The findings of the groundwater sampling and a comparison of the data to the OEPA VAP Table VI - Generic UPUS are presented below and are summarized in Table 4.

No VOCs were detected in groundwater samples from the Dibble Park area wells at concentrations above the referenced UPUS. The unrestricted values for two of the compounds are extremely low; the criterion is 0.2 ug/l for 1,2-Dibromo-3-chloropropane and 0.05 ug/l for 1,2-Dibromoethane. The laboratory detection limits for these two compounds were higher than the criteria (detection limits of 2.0 ug/l and 1.0 ug/l, respectively). However, neither compound is historically associated with the processes at the DuPont plant, nor was either compound detected at concentrations above the detection limit in any of the well samples.

Semi Volatile Organic Compounds (SVOCs)

- One SVOC exceeded the potable use criteria one time in one sample. The compound bis(2-ethylhexyl)phthalate was detected at an estimated concentration of 7J ug/l (which is just above the potable use criteria of 6 ug/l) in the deep well sample at cluster CRG-05D in the September 2005 sample. That well is screened in the D-Zone at a depth of 43 to 45 feet, and is located within the "Fill Area" of Southwest Dibble Park, upgradient of the North Dibble Park and Southeast Dibble Park areas.
- That same SVOC compound [bis(2-ethylhexyl)phthalate] was not detected above the detection limit of 2 ug/l or above the UPUS value of 6 ug/l in any of the four shallow A-Zone wells. Nor was it detected in any of the four underlying B-Zone wells at Dibble Park. This suggests that the bis(2-ethylhexyl)phthalate in the 5D

well did not migrate downward from a shallow water-bearing zone and is likely to be a laboratory contaminant.

- The laboratory detection limit for the SVOC pentachlorophenol varied from 2 ug/l to 3 ug/l; both are above the OEPA UPUS criterion of 1 ug/l. No detections of this SVOC were reported above the detection limit, nor is this compound historically associated with the processes at the DuPont plant.
- The laboratory detection limit for the SVOC benzo(a)pyrene was above the potable OEPA criteria of 0.2 ug/l, two times in the 2005 sampling data. A "non-detect" was reported for well sample CRG-07-B at a level of 0.9 ug/l in the September 2005 data, and a "non-detect" was reported for well sample CRG-08-A at a level of 0.3 ug/l in the June 2005 data.
- This SVOC [benzo(a)pyrene] was detected at an estimated concentration of 0.2 ug/l, the same value as the potable standard, from the deeper B-Zone well CRG-05B in March 2005. No other detections of benzo(a)pyrene were reported from any other well samples.

Metals

The sampling dates and well depth designations (A, B, or D) are shown with the data in Table 4 and are described below. One metal was detected in the groundwater samples at a concentration above the UPUS:

- Arsenic exceeded the 10 ug/l UPUS in one A-Zone well (CRG-05A) and in three B-Zone wells (CRG-05B, CRG-06B, and CRG-08B).
- Two of the four arsenic-containing wells listed above are the two shallow (A and B wells) located in the CRG-05 well cluster. This well cluster is actually located in Southwest Dibble Park directly within the "Fill Area" identified in the Phase I Property Assessment. **Wells CRG-05A and CRG-05B are not located within the North or Southeast Dibble Park areas proposed for divestment**.
- Neither the upgradient shallow well (CRG-04A) nor any of the other A-Zone wells in Dibble Park contained arsenic at a concentration above the UPUS, demonstrating that arsenic is not migrating to or from other shallow water-bearing areas. Nor was arsenic found above the UPUS concentration in the sample from the deeper CRG-05-D well, demonstrating that arsenic is not migrating downward to the underlying water-bearing zone.
- Although arsenic was reported above the UPUS in CRG-06B in the June 2005 data, the analysis used a Graphite Furnace method that often results in falsely elevated arsenic concentration due to potential interferences with other metals (aluminum, chromium, and vanadium). In order to evaluate the potential for such interferences, the September 2005 samples were analyzed using two different methods: an ICP method (6010B) and an ICP/MS method (6020). Using the two better methods, the arsenic concentration in CRG-06B was reported as below the potable standard for both of the analyses performed in September.

- The concentration of arsenic in the groundwater at well CRG-08-B has remained consistent over the UPUS throughout 2005 in spite of using different analytical methods and has ranged from 12J to 22.2 ug/l.
- Total thallium in well CRG-05-B exceeded the UPUS (2.0 ug/l) in September 2005 using the Graphite Furnace method; however, a parallel ICP/MS 6020 analysis had a much lower result of no detection above the 0.032 ug/l detection limit. The higher detection is attributed to interferences from other metals and is not considered to represent actual conditions.

4.2.2 Groundwater Flow Characteristics

Measurements of the depth to groundwater were collected during groundwater sampling events. The data were used to generate groundwater elevation contour maps for Dibble Park. Figures 16 to 18 show the June 2005 groundwater elevations for the A-Zone, B-Zone, and C-Zone wells, respectively. Figures 19 to 21 show the September 2005 groundwater elevations for the A-Zone, B-Zone, and C-Zone wells, respectively. The June 2005 data were presented in order to depict the groundwater flow direction over different seasons.

Shallow groundwater in the A-Zone and B-Zone beneath Dibble Park flows towards and then along the northeasterly orientation of Tiffts Creek. The A-Zone wells were installed to 10 feet and screened from 5 to 10 feet below grade. Lateral flow in A-Zone in the Park was distinctly toward Tiffts Creek (see Figures 16 and 19). The B-Zone wells were installed to approximately 19 feet, and screened from 14 to 19 feet below grade. Groundwater flow in the B-Zone is also generally towards Tiffts Creek (see Figures 17 and 20). A roughly east-west trending groundwater divide is shown to occur north of the DuPont plant in both the A-Zone and the B-Zone. Shallow groundwater north of the plant flows towards Tiffts Creek, while the shallow groundwater at the plant flows southerly towards Blodgetts Ditch, then to the east. In other words, shallow groundwater from under the DuPont plant does not flow towards Dibble Park.

The D-Zone wells were installed to approximately 46 feet, and screened from 44 to 46 feet below grade. Horizontal groundwater flow within the deeper D-Zone is to the east (see Figures 18 and 21).

Generally, vertical groundwater head at the site is from the A-Zone to the underlying B-Zone. This was determined by the difference in groundwater elevations between wells screened in each unit. Although limited in number and distribution, the D-Zone monitoring wells also indicate a downward vertical head from overlying clayey silt units, however the confining layer is much thicker between the B-Zone and D-Zone (about 25 feet thick) than between the A-Zone and B-Zone (about 5 feet thick).

4.3 Property Characterization Summary

4.3.1 Summary of Soil Characterization

Arsenic was the single soil constituent present at a concentration that exceeded OEPA's residential VAP soil criteria (6.8 mg/kg). Arsenic levels above the criteria were detected in ten of 24 samples at concentrations ranging from 7.74 mg/kg to 18.8 mg/kg in the upper 4 feet of soil, as shown in red in Figure 14. Fourteen out of 24 arsenic results were below the criteria. The locations at which the criteria were exceeded were randomly distributed about the Dibble Park property, both north and south of Tiffts Creek and at four of the six locations along the Tiffts Creek channel. The aerial distribution of arsenic across the property, combined with the absence of historical disturbance, is interpreted to represent the background conditions in the Dibble Park soils.

4.3.2 Summary of Groundwater Characterization

- Groundwater data from the CRG-05 wells indicate arsenic is present in the A-Zone and B-Zone wells at that location, and bis(2ethylhexl)phthalate was present in the sample from the D-Zone. This well cluster is located in the Southwest area of Dibble Park where fill materials were encountered in the Phase II test pit program. **Because of these fill materials, the groundwater conditions in Southwest Dibble Park are not representative of groundwater quality over the remainder of Dibble Park. Nor is the Southwest Dibble Park area proposed for divestment.**
- The quality of the groundwater within in the North and Southeast Dibble Park areas meets the OEPA VAP Table VI - Generic UPUS for all Appendix IX constituents, with the exception of arsenic in one B-Zone well (CRG-08-B) screened from 14 to 19 feet below grade. The arsenic concentration in the overlying A-Zone wells did not exceed the potable standards.
- Groundwater beneath the Park flows laterally towards Tiffts Creek in the A-Zone and B-Zone. The deeper groundwater in the D-Zone flows eastwards towards the Shawnee Creek watershed.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The Phase I and Phase II Property Assessment process was completed for the entire Dibble Park property in accordance with the OEPA VAP.

The conclusions of the property assessments are summarized below:

- The examination of all available historic records revealed no evidence of past land uses indicative of any environmental concerns on North Dibble Park or on Southeast Dibble Park.
- Samples of soil and groundwater were collected to characterize the quality of the soil and groundwater at Dibble Park. None of the soil or groundwater samples collected from North and Southeast Dibble Park contained VOCs and SVOCs at concentrations above the Residential Direct Contact Soil Criteria or the UPUS, respectively.
- Both the soil samples and the groundwater samples contained inorganic compounds (metals) at concentrations that are interpreted to reflect background conditions. One of these metals, arsenic, is present in one groundwater well and approximately half of the soil samples at a concentration that is slightly above the OEPA standards for drinking water and residential soils, respectively.
- Although the arsenic residential soil standard was exceeded on a point-by-point comparison at approximately half of the individual samples, the average arsenic concentration in soils from the North and Southeast Dibble Park areas is approximately equal to the soil standard.
- The natural ("background") origin for arsenic is supported by its occurrence, which is widely distributed in the "undisturbed" North and Southeast Dibble Park soils, and the relatively low concentrations (both just above and just below the soil standard) at which it is present in soils.
- OEPA soil research data have documented natural "background" concentrations of arsenic up to 13 mg/kg in "farm soils" formed over the glacial deposits of Ohio; this arsenic concentration is above that of most of the samples from the North and Southeast Dibble Park areas.
- US Geological Survey groundwater studies have also documented the natural occurrence of arsenic in the groundwater in glacial deposits of Midwestern states (including Ohio) at or above the levels reported in the one (CRG-08-B) Southeast Dibble Park sample (12J to 22.2 ug/l). Forty-seven percent of the groundwater samples collected from glacial valley fill deposits contained arsenic at concentrations above 10 ug/l, and sample concentrations extended to a high of 84 ug/l.

- An ecological evaluation of the Tiffts Creek channel was performed for URSD by a URS biologist from the Ecological Assessment regional center (Fort Washington, Pennsylvania). The conclusion of the evaluation was that the diversion of the flow in Tiffts Creek in 2002 altered the potential for habitat of value to be sustained along the former channel and banks. Since that alteration, the environment has transformed from a perennial stream to an intermittent surface-water drainage swale.
- The North and Southeast portions of Dibble Park do not show any evidence of impact by environmental processes or contaminants, and are determined to be acceptable for divestment.

5.2 Recommendations

With the exception of arsenic, which is interpreted to reflect background conditions, the soil and groundwater quality in North and Southeast Dibble Park meets OEPA's unrestricted (i.e., residential) standards. The arsenic concentration is typical of soils and groundwaters formed on the surficial glacial deposits of the Midwestern states. Although exceedances of the arsenic residential soil standards occurred on a point-by-point comparison to individual samples, the average arsenic concentration in soils from the North and Southeast Dibble Park areas is approximately equal to the soil standard. No soil remedy is recommended.

Shallow groundwater from the glacial units is not generally a suitable source of drinking water due to the low yields resulting from the low permeability of the fine-grained, lacustrine deposits. Drinking water for residents of the City of Toledo is obtained from Lake Erie. In order to further minimize the potential that shallow groundwater (from the unconsolidated zone) would be available for future consumptive use, an institutional control such as a deed restriction should be attached to the Dibble Park property deeds.

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TABLES

Table 1
Summary of Slug Test Input Data and Test Results
DuPont - Toledo Facility

										Bouwer-Rice Method				Hvorslev Method			
Well ID	Total Well Depth (Feet, bgs)	(10/14/03) Static Water Level (Ft, TOC)	Well Stick-up (Ft, TOC)	(10/14/03) Total Well Depth (Ft, TOC)	(D) Saturated Aquifer Thickness (Feet)	(L) Length of Screen (Feet)	(H) Total Screen Penetration (Feet)	(rc) Inside Radius Casing (Feet)	(rw) Radius of Borehole (Feet)	(K) Falling Head Hyd. Cond. (Ft/Min)	(K) Rising Head Hyd. Cond. (Ft/Min)	(K) Falling Head Hyd. Cond. (cm/sec)	(K) Rising Head Hyd. Cond. (cm/sec)	(K) Falling Head Hyd. Cond. (Ft/Min)	(K) Rising Head Hyd. Cond. (Ft/Min)	(K) Falling Head Hyd. Cond. (cm/sec)	(K) Rising Head Hyd. Cond. (cm/sec)
CRG-01-A	8.2	7.90	2.5	10.64	2.4	4.4	2.14	0.167	0.667	0.00070	0.00123	3.521E-04	6.187E-04	0.00114	0.00269	5.734E-04	1.353E-03
CRG-01-B	18	9.39	2.3	19.90	23.9	4.4	9.91	0.167	0.667	0.00026	0.00028	1.308E-04	1.408E-04	0.00028	0.00021	1.408E-04	1.056E-04
CRG-02-A	8.2	6.12	2.6	10.16	4.6	4.4	3.44	0.167	0.667	0.00062	0.00062	3.119E-04	3.119E-04	0.00062	0.00062	3.119E-04	3.119E-04
CRG-02-B	19	6.95	2.6	21.00	19.4	4.4	13.45	0.167	0.667	0.00021	0.00021	1.056E-04	1.056E-04	0.00021	0.00021	1.056E-04	1.056E-04
CRG-03-A	8.8	6.44	2.6	10.96	5.1	4.4	3.92	0.167	0.667	0.00724	0.00030	3.642E-03	1.509E-04	0.00975	0.00040	4.904E-03	2.012E-04
CRG-03-B	18	7.47	2.9	19.96	22.8	4.4	11.89	0.167	0.667	0.00056	0.00038	2.817E-04	1.911E-04	0.00068	0.00049	3.420E-04	2.465E-04
CRG-05-A	7.8	7.20	2.0	9.75	2.1	4.4	1.95	0.167	0.667	0.01005	0.00173	5.055E-03	8.702E-04	0.01995	0.00377	1.003E-02	1.896E-03
CRG-05-B	15.5	7.22	2.5	17.51	19.5	4.4	9.69	0.167	0.667	0.03880	0.00292	1.952E-02	1.469E-03	0.04353	0.00346	2.190E-02	1.740E-03
CRG-10-A	7.2	Dry	0.0	9.97	Dry	4.4	Unknown	0.167	0.667	Well Dry	Well Dry	Well Dry	Well Dry	Well Dry	Well Dry	Well Dry	Well Dry
CRG-10-B	16	9.81	2.5	17.68	11.7	4.4	7.27	0.167	0.667	0.00998	0.00575	5.020E-03	2.892E-03	0.01214	0.00830	6.106E-03	4.175E-03

Notes: Results produced with AQTESOLV software using Bouwer-Rice Slug Test Method and Hvorslev Slug Test Method.
Heavy rains occurred on October 14, 2003 while performing falling head tests. This precipitation input may have affected results of rising head tests performed on October 15, 2003.

TABLE 2 - 2005 TEST PIT INVESTIGATION SUMMARY - North and Southeast Dibble Park
DIBBLE PARK INVESTIGATION - DUPONT TOLEDO PLANT
TOLEDO, OHIO

ID	STRATIGRAPHY[1]		WAS FILL ENCOUNTERED?	ANALYTICAL TEST SUMMARY						REMARKS
				Depth Sampled	List of Analytical Parameters Tested	App IX[2] Exceedances Above Soil Criteria		RCRA/TCLP[3] Exceedances Above Soil Criteria		
	Depth	Description				As	Pb	As	Pb	
SouthEast Dibble Park Samples										
TP-55	0-1'	Dark Brown Top Soil	No	0-.5'	TCLP, As and Pb	10.3	13	ND	ND J	
	1-2'	Brown Silt With Clay		0-4	App IX	5.67	50.7 J	NS	NS	
	2-4'	Tan/Brown Fine Sand								
TP-56	0-1'	Top Soil With Dark Sandy Silt (Dry)	No	.5-1'	TCLP As and Pb	7.73	26.9 J	ND	ND	Duplicate
	1-3'	Tan Fine To Medium Sand		.5-4.5	App IX	16.2 J	16.5 J	NS	NS	
	3-4'	Gray/Brown Fine Silty Sand With Trace Clay		3.5-4.5	As and Pb	6.23	9.55	NS	NS	
				0-4'	App IX	7.78	21.00	NS	NS	Duplicate
TP-75	0-1'	Dark Brown Top Soil	No	0.5	TCLP, As and Pb	5.17	27.9	ND	ND J	
	1-2'	Brown Silt W/Clay		0-4'	App IX	18.8	15.1	NS	NS	
	2-4'	Tan/Brown Fine Sand								
TP-86	0-1'	Dark Brown Top Soil	No	0-.5'	As and Pb	7.54	15.4	NS	NS	
	1-4'	Tan/Orange Fine Sand With Clay		0-.5'	As and Pb	8.22	14.1	NS	NS	Duplicate
				0-4'	App IX	6.78	15.5	NS	NS	
				0-4'	App IX	7.99	14.5	NS	NS	Duplicate
TP-87	0-1'	Dark Brown Top Soil	No	.5'	As and Pb	3.46	4.57	NS	NS	
	1-2'	Brown Fine Sand With Silty Clay		0-4'	App IX	5.3	5.8	NS	NS	
	2-4'	Tan Fine Sand With Silty Clay								(Moist @ 4')
TP-88	0-1'	Dark Brown Top Soil	No	.5'	As and Pb	5.23	17.2	NS	NS	
	1-2'	Brown Fine Sand With Silty Clay		0-4'	App IX	5.26	19.6	NS	NS	
	2-4'	Tan Fine Sand With Silty Clay								
TP-89	0-1'	Dark Brown Top Soil	No	0-2'	As and Pb	4.7	33.9	NS	NS	
	1-2'	Tan Fine Sand		0-4'	App IX	4.64	16.4	NS	NS	
	2-4'	Brown Fine Sand With Silty Clay								
TP-90	0-1'	Dark Brown Top Soil	No	.5'	As and Pb	6.32	41.2	NS	NS	
	1-3'	Brown Fine Sand With Silty Clay		0-4'	App IX	3.74	11.3	NS	NS	
	3-4'	Tan Fine Sand With Silty Clay								

TABLE 2 - 2005 TEST PIT INVESTIGATION SUMMARY - North and Southeast Dibble Park
DIBBLE PARK INVESTIGATION - DUPONT TOLEDO PLANT
TOLEDO, OHIO

ID	STRATIGRAPHY[1]		WAS FILL ENCOUNTERED?	ANALYTICAL TEST SUMMARY						REMARKS
				Depth Sampled	List of Analytical Parameters Tested	App IX[2] Exceedances Above Soil Criteria		RCRA/TCLP[3] Exceedances Above Soil Criteria		
	Depth	Description				As	Pb	As	Pb	
North Dibble Park Samples										
TP-76	0-1'	Dark Brown Top Soil		.5'	TCLP, As and Pb	9.29	21.7	ND	ND J	
	1-2'	Light Gray Silty Fine Sand	No	.5'	TCLP, As and Pb	11.9	25.6	ND	ND J	Duplicate
	2-4'	Tan To Gray Silty Fine Sand		0-4'	App IX	6.54	13.9	NS	NS	
TP-77	0-1'	Dark Brown Top Soil		.5'	As and Pb	5.38	27.9	NS	NS	
	1-2'	Light Gray Silty Fine Sand	No	0-4'	App IX	4.48	14.1	NS	NS	
	2-4'	Tan Silty Fine Sand								
TP-78	0-1'	Dark Brown Top Soil		.5'	TCLP, As and Pb	9.4	54.6	ND	ND J	
	1-2'	Light Gray Silty Fine Sand	No	0-4'	App IX	10.7	20.9	NS	NS	
	2-4'	Tan To Gray Silty Fine Sand								
TP-79	0-1'	Dark Brown Top Soil		.5'	As and Pb	5.18	23	NS	NS	
	1-2'	Light Gray Silty Fine Sand	No	0-4'	App IX	4.81	12.4	NS	NS	
	2-4'	Tan To Gray Silty Fine Sand								
TP-80	0-1'	Dark Brown Top Soil	No	1'	TCLP, As and Pb	5.78	38.7	ND	ND J	
	1-2'	Light Gray Silty Fine Sand		0-4'	App IX	7.72	17.7	NS	NS	
	2-4'	Tan To Gray Silty Fine Sand								
TP-81	0-1'	Top Soil		0-4'	App IX	4	7.8	NS	NS	
	1-3'	Tan Fine Sand	No							
	3-4'	Orange Silty Fine Sand								
TP-82	0-1'	Dark Brown Top Soil (Rich)	No	.5'	TCLP, As and Pb	2.71	25.5	ND	ND J	
	1-4'	Tan To Orange Fine Sand With Silty Clay		0-4'	App IX	3.13	9.51	NS	NS	
TP-83	0-1'	Top Soil		0-4'	App IX	4.42	9.21	NS	NS	
	1-3'	Tan Silty Fine Sand (Loose)	No							
	3-4'	Orange Clayey Silty sand								
TP-84	0-1'	Dark Brown Top Soil		0-4'	App IX	6.65	11.8	NS	NS	
	1-3'	Tan Fine Sand With Silty Clay	No							
	3-4'	Silty Sand With Clay								
TP-85	0-1'	Gray Silty Sand	No	0-4'	App IX	13.4	16.4	NS	NS	
	1-4'	Tan Silty Fine Sand With Clay								

TABLE 2 - 2005 TEST PIT INVESTIGATION SUMMARY - North and Southeast Dibble Park
DIBBLE PARK INVESTIGATION - DUPONT TOLEDO PLANT
TOLEDO, OHIO

ID	STRATIGRAPHY[1]		WAS FILL ENCOUNTERED?	ANALYTICAL TEST SUMMARY						REMARKS
				Depth Sampled	List of Analytical Parameters Tested	App IX[2] Exceedances Above Soil Criteria		RCRA/TCLP[3] Exceedances Above Soil Criteria		
	Depth	Description				As	Pb	As	Pb	
Tifft's Creek Samples										
TC-04	0-1.5'	Dark-Gray Silty-Clay to Clayey-Silt	No	0-4'	App IX	9.11	29.1	NS	NS	
	1.5-3'	Light brown silty-sand								
	3-4'	Brown sandy-silt								
TC-05	0'-1.5'	Dark-Gray Silty-Clay to Clayey-Silt	No	0-4'	App IX	5.77	56.5	NS	NS	
	1.5'-3'	Light brown silty-sand								
	3'-4'	Brown sandy-silt								
TC-06	0'-1.5'	Dark-Gray Silty-Clay to Clayey-Silt	No	0-4'	App IX	5.88	21.5	NS	NS	
	1.5'-3'	Light brown silty-sand								
	3'-4'	Brown sandy-silt								
TC-07	0'-1.5'	Dark-Gray Silty-Clay to Clayey-Silt	No	0-4	App IX	11.1	115	NS	NS	
	1.5'-3'	Light brown silty-sand								
	3'-4'	Brown sandy-silt								
TC-08	0'-1.5'	Dark-Gray Silty-Clay to Clayey-Silt	No	0-4'	App IX	7.63	23.2	NS	NS	
	1.5'-3'	Light brown silty-sand								
	3'-4'	Brown sandy-silt								
TC-09	0'-1.5'	Dark-Gray Silty-Clay to Clayey-Silt	No	0-4'	App IX	7.48	54.6	NS	NS	
	1.5'-3'	Light brown silty-sand		0-4'	App IX	8.76	33.6	NS	NS	Duplicate
	3'-4'	Brown sandy-silt								

Notes:
1 = Soil Stratigraphy
2 = Detected concentrations were compared with Ohio EPA residential Direct Contact soil criteria: As = 6.8 ppm and Pb = 400 ppm
3 = Detected concentrations for RCRA/TCLP samples were compared with RCRA/TCLP concentrations of As = 5 mg/l and Pb = 5 mg/L
4 = NS is Not Sampled
5 = J is Estimated Value
6 = ND is Non Detect
11.4 = Exceeds noted Ohio EPA criteria

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

		LOCATION	TC-04A-1	TC-05A-1	TC-06A-1	TC-07A-1	TC-08A-1	TC-09A-1	TC-09A-1	TP55-01A	TP55-01T	TP56-01A	TP56-01T	TP56-02A	TP56B-02A	TP75-01A	TP75-01T	TP76-01A	TP76-01A	TP76-01T	TP76-01T	TP77-01A	TP77-01T	TP78-01A	TP78-01T	TP79-01A	TP79-01T	TP80-01A	TP80-01T	TP81-01A
		DATE SAMPLED	8/18/05	8/18/05	8/18/05	8/17/05	8/17/05	8/17/05	8/17/05	8/18/05	8/18/05	9/14/05	9/14/05	9/14/05	9/14/05	8/18/05	8/18/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/15/05
		SAMPLE DEPTH - TOP (FT.)	0	0	0	0	0	0	0	0	0.5	0.5	0.5	3.5	0	0	0.5	0	0	0.5	0.5	0	0.5	0	0.5	0	0.5	0	1	0
		SAMPLE DEPTH BOTTOM (FT.)	4	4	4	4	4	4	4	4	0.5	4.5	1	4.5	4	4	0.5	4	4	0.5	0.5	4	0.5	4	0.5	4	0.5	4	1	4
		DUPLICATE #	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA[1]																												
Volatiles																														
1,1,1,2-TETRACHLOROETHANE	ug/kg	95000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,1,1-TRICHLOROETHANE	ug/kg	990000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	11000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,1,2-TRICHLOROETHANE	ug/kg	24000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,1-DICHLOROETHANE	ug/kg	580000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,1-DICHLOROETHENE	ug/kg	1600	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,2,3-TRICHLOROPROPANE	ug/kg	1500	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	NA	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
1,2-DIBROMOETHANE (EDB)	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,2-DICHLOROETHANE	ug/kg	10000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,2-DICHLOROPROPANE	ug/kg	6400	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
1,4-DIOXANE	ug/kg	980000	<96 U	<110 U	<99 U	<100 U	<97 U	<100 U	<100 U	<91 U	–	<73 U	–	–	–	<91 U	–	<94 U	<95 U	–	–	<92 U	–	<110 U	–	<100 U	–	<90 U	–	<80 U
2-HEXANONE	ug/kg	NA	<4 U	<5 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	–	<3 U	–	–	–	<4 U	–	<4 U	<4 U	–	–	<4 U	–	<5 U	–	<4 U	–	<4 U	–	<3 U
ACETONE	ug/kg	7300000	87	120	54	92	41 J	88	84	150	–	30	–	–	–	120	–	90	66	–	–	20 J	–	120	–	56	–	33	–	9 J
ACETONITRILE	ug/kg	NA	<34 U	<38 U	<35 U	<37 U	<35 U	<37 U	<36 U	<33 U	–	<26 U	–	–	–	<32 U	–	<34 U	<34 U	–	–	<33 U	–	<39 U	–	<36 U	–	<32 U	–	<29 U
ACROLEIN	ug/kg	NA	<28 U	<31 U	<28 U	<29 U	<28 U	<30 U	<29 U	<26 U	–	<21 U	–	–	–	<26 U	–	<2 U	<27 U	–	–	<2 U	–	<2 U	–	<29 U	–	<26 U	–	<23 U
ACRYLONITRILE	ug/kg	3700	<6 U	<6 U	<6 U	<6 U	<6 U	<6 U	<6 U	<5 U	–	<4 U	–	–	–	<5 U	–	<5 U	<5 U	–	–	<5 U	–	<6 U	–	<6 U	–	<5 U	–	<5 U
ALLYL CHLORIDE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
BENZENE	ug/kg	9800	1 J	3 J	2 J	3 J	2 J	3 J	2 J	1 J	–	<0.5 U	–	–	–	1 J	–	2 J	1 J	–	–	<0.7 U	–	<0.8 U	–	<0.7 U	–	<0.6 U	–	<0.6 U
BROMODICHLOROMETHANE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
BROMOFORM	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CARBON DISULFIDE	ug/kg	350000	5 J	55	12	7 J	5 J	12	9	15	–	<1 U	–	–	–	4 J	–	6 J	6 J	–	–	<1 U	–	2 J	–	1 J	–	<1 U	–	<1 U
CARBON TETRACHLORIDE	ug/kg	1700	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CHLOROBENZENE	ug/kg	150000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CHLORODIBROMOMETHANE	ug/kg	130000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CHLOROFORM	ug/kg	7300	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CHLOROPRENE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CIS-1,2 DICHLOROETHENE	ug/kg	760000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
CIS-1,3-DICHLOROPROPENE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
DICHLORODIFLUOROMETHANE	ug/kg	120000	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
ETHYL CHLORIDE	ug/kg	8800000	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
ETHYL METHACRYLATE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
ETHYLBENZENE	ug/kg	230000	<1 U	<2 U	2 J	2 J	<1 U	2 J	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
IODOMETHANE	ug/kg	NA	<4 U	<5 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	–	<3 U	–	–	–	<4 U	–	<4 U	<4 U	–	–	<4 U	–	<5 U	–	<4 U	–	<4 U	–	<3 U
ISOBUTYL ALCOHOL	ug/kg	22000000	<140 U	<150 U	<140 U	<150 U	<140 U	<150 U	<150 U	<130 U	–	<100 U	–	–	–	<130 U	–	<130 U	<140 U	–	–	<130 U	–	<160 U	–	<140 U	–	<130 U	–	<110 U
METHACRYLONITRILE	ug/kg	NA	<7 U	<8 U	<7 U	<7 U	<7 U	<7 U	<7 U	<7 U	–	<5 U	–	–	–	<6 U	–	<7 U	<7 U	–	–	<7 U	–	<8 U	–	<7 U	–	<6 U	–	<6 U
METHYL BROMIDE	ug/kg	NA	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
METHYL CHLORIDE	ug/kg	NA	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
METHYL ETHYL KETONE	ug/kg	6700000	11 J	24	7 J	23	11 J	14 J	15	14	–	<4 U	–	–	–	10 J	–	10 J	7 J	–	–	<5 U	–	15 J	–	6 J	–	<5 U	–	<5 U
METHYL ISOBUTYL KETONE	ug/kg	700000	<4 U	<5 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	–	<3 U	–	–	–	<4 U	–	<4 U	<4 U	–	–	<4 U	–	<5 U	–	<4 U	–	<4 U	–	<3 U
METHYL METHACRYLATE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
METHYLENE BROMIDE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
METHYLENE CHLORIDE	ug/kg	250000	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
PENTACHLOROETHANE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
PROPIONITRILE	ug/kg	NA	<41 U	<46 U	<43 U	<44 U	<41 U	<45 U	<44 U	<39 U	–	<31 U	–	–	–	<39 U	–	<40 U	<41 U	–	–	<39 U	–	<47 U	–	<43 U	–	<39 U	–	<34 U
STYRENE	ug/kg	1700000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
TETRACHLOROETHYLENE	ug/kg	130000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
TOLUENE	ug/kg	520000	3 J	6 J	6 J	6 J	5 J	8	5 J	3 J	–	<1 U	–	–	–	4 J	–	3 J	2 J	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	1 J
TRANS-1,2-DICHLOROETHENE	ug/kg	1500000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
TRANS-1,3-DICHLOROPROPENE	ug/kg	NA	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
TRANS-1,4-DICHLOROBUTENE-2	ug/kg	NA	<14 U	<15 U	<14 U	<15 U	<14 U	<15 U	<15 U	<13 U	–	<10 U	–	–	–	<13 U	–	<13 U	<14 U	–	–	<13 U	–	<16 U	–	<14 U	–	<13 U	–	<11 U
TRICHLOROETHENE	ug/kg	80000	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
TRICHLOROFLUOROMETHANE	ug/kg	490000	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
VINYL ACETATE	ug/kg	410000	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	–	<2 U	–	–	–	<3 U	–	<3 U	<3 U	–	–	<3 U	–	<3 U	–	<3 U	–	<3 U	–	<2 U
VINYL CHLORIDE	ug/kg	3700	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	–	<1 U	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
XYLENES	ug/kg	160000	2 J	2 J	3 J	3 J	2 J	3 J	2 J	<1 U	–	<1 U	–	–	–	2 J	–	<1 U	<1 U	–	–	<1 U	–	<2 U	–	<1 U	–	<1 U	–	<1 U
Semivolatiles																														
1,2,4,5-TETRACHLOROBENZENE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
1,2,4-TRICHLOROBENZENE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
1,2-DICHLOROBENZENE	ug/kg	150000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
1,3,5-TRINITROBENZENE	ug/kg	2300000	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed; NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

		LOCATION	TC-04A-1	TC-05A-1	TC-06A-1	TC-07A-1	TC-08A-1	TC-09A-1	TC-09A-1	TP55-01A	TP55-01T	TP56-01A	TP56-01T	TP56-02A	TP56B-02A	TP75-01A	TP75-01T	TP76-01A	TP76-01A	TP76-01T	TP76-01T	TP77-01A	TP77-01T	TP78-01A	TP78-01T	TP79-01A	TP79-01T	TP80-01A	TP80-01T	TP81-01A
		DATE SAMPLED	8/18/05	8/18/05	8/18/05	8/17/05	8/17/05	8/17/05	8/17/05	8/18/05	8/18/05	9/14/05	9/14/05	9/14/05	9/14/05	8/18/05	8/18/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/15/05
		SAMPLE DEPTH - TOP (FT.)	0	0	0	0	0	0	0	0	0.5	0.5	0.5	3.5	0	0	0.5	0	0	0.5	0.5	0	0.5	0	0.5	0	0.5	0	1	0
		SAMPLE DEPTH BOTTOM (FT.)	4	4	4	4	4	4	4	4	0.5	4.5	1	4.5	4	4	0.5	4	4	0.5	0.5	4	0.5	4	0.5	4	0.5	4	1	4
		DUPLICATE #	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA(1)																												
1,3-DICHLOROBENZENE	ug/kg	68000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
1,3-DINITROBENZENE	ug/kg	7600	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
1,4-DICHLOROBENZENE	ug/kg	95000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
1,4-NAPHTHOQUINONE	ug/kg	NA	<1100 UJ	<1100 UJ	<1200 UJ	<1100 UJ	<1100 UJ	<1200 UJ	<1200 UJ	<970 UJ	–	<980 UJ	–	–	–	<1000 UJ	–	<1100 UJ	–	–	–	<1100 UJ	–	<1100 UJ	–	<1100 UJ	–	<1000 UJ	–	<990 UJ
1-NAPHTHYLAMINE	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
2,3,4,6-TETRACHLOROPHENOL	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
2,4,5-TRICHLOROPHENOL	ug/kg	7700000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
2,4,6-TRICHLOROPHENOL	ug/kg	1000000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2,4-DICHLOROPHENOL	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2,4-DIMETHYLPHENOL	ug/kg	1500000	<130 U	<130 U	<140 U	<140 U	<130 U	<150 U	<140 U	<120 U	–	<120 U	–	–	–	<120 U	–	<130 U	–	–	–	<130 U	–	<130 U	–	<130 U	–	<120 U	–	<120 U
2,4-DINITROPHENOL	ug/kg	NA	<890 U	<900 U	<970 U	<910 U	<890 U	<970 U	<950 U	<780 U	–	<780 U	–	–	–	<830 U	–	<880 U	–	–	–	<900 U	–	<890 U	–	<840 U	–	<830 U	–	<790 U
2,4-DINITROTOLUENE	ug/kg	150000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
2,6-DICHLOROPHENOL	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
2,6-DINITROTOLUENE	ug/kg	76000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2-ACETYLAMINOFLUORENE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
2-CHLOROPHENOL	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2-METHYLNAPHTHALENE	ug/kg	NA	65 J	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2-METHYLPHENOL (O-CRESOL)	ug/kg	390000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
2-NAPHTHYLAMINE	ug/kg	NA	<220 R	<220 R	<240 R	<230 U	<220 U	<240 U	<240 U	<190 R	–	<200 R	–	–	–	<210 R	–	<220 R	–	–	–	<220 R	–	<220 R	–	<210 R	–	<210 R	–	<200 R
2-NITROANILINE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2-NITROPHENOL	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
2-PICOLINE	ug/kg	NA	<130 U	<130 U	<140 U	<140 U	<130 U	<150 U	<140 U	<120 U	–	<120 U	–	–	–	<120 U	–	<130 U	–	–	–	<130 U	–	<130 U	–	<130 U	–	<120 U	–	<120 U
3,3'-DICHLOROBENZIDINE	ug/kg	24000	<130 U	<130 U	<140 U	<140 U	<130 U	<150 U	<140 U	<120 U	–	<120 U	–	–	–	<120 U	–	<130 U	–	–	–	<130 U	–	<130 U	–	<130 U	–	<120 U	–	<120 U
3,3'-DIMETHYLBENZIDINE	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
3-METHYLCHOLANTHRENE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
3-NITROANILINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
4-AMINOBIPHENYL	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
4-BROMOPHENYL PHENYL ETHER	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
4-CHLORO-3-METHYLPHENOL	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
4-CHLOROANILINE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
4-DIMETHYLAMINOAZOBENZENE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 R	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
4-METHYLPHENOL (P-CRESOL)	ug/kg	390000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
4-NITROANILINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
4-NITROPHENOL	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
4-NITROQUINOLINE-N-OXIDE	ug/kg	NA	<450 U	<450 U	<480 U	<450 U	<450 R	<490 U	<480 U	<390 U	–	<390 U	–	–	–	<420 U	–	<440 U	–	–	–	<450 U	–	<450 U	–	<420 U	–	<410 U	–	<400 U
5-NITRO-ORTHO-TOLUIDINE	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
ACENAPHTHENE	ug/kg	4600000	<45 U	<45 U	<48 U	62 J	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
ACENAPHTHYLENE	ug/kg	NA	<45 U	<45 U	<48 U	58 J	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
ACETOPHENONE	ug/kg	7600000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
ANILINE	ug/kg	5800	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
ANTHRACENE	ug/kg	23000000	96 J	100 J	70 J	160 J	64 J	120 J	94 J	47 J	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
BENZO(A)ANTHRACENE	ug/kg	11000	540 J	460 J	330 J	560	350	510	430	250 J	–	<39 U	–	–	–	42 J	–	<44 U	–	–	–	<45 U	–	51 J	–	<42 U	–	<41 U	–	<40 U
BENZO(B)FLUORANTHENE	ug/kg	11000	1200	1100	1100	1100	840	1100	980	670	–	46 J	–	–	–	100 J	–	94 J	–	–	–	<45 U	–	120 J	–	<42 U	–	75 J	–	<40 U
BENZO(G,H,I)PERYLENE	ug/kg	NA	450	630	610	560	500	620	470	390	–	<39 U	–	–	–	52 J	–	<44 U	–	–	–	<45 U	–	65 J	–	<42 U	–	<41 U	–	<40 U
BENZO(K)FLUORANTHENE	ug/kg	110000	420	450	420	440	370	470	400	240	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
BENZO[A]PYRENE	ug/kg	1100	700	690	650	690	520	700	590	410	–	<39 U	–	–	–	70 J	–	59 J	–	–	–	<45 U	–	76 J	–	<42 U	–	46 J	–	<40 U
BENZYL ALCOHOL	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
BIS(2-CHLOROISOPROPYL)ETHER	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
BIS(2-CHLOROETHOXY)METHANE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
BIS(2-CHLOROETHYL)ETHER	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	230000	640	270 J	280 J	680	540	450 J	310 J	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
BUTYL BENZYL PHTHALATE	ug/kg	220000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
CHLOROBENZILATE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
CHRYSENE	ug/kg	1100000	550 J	660 J	650 J	930	610	870	740	380 J	–	<39 U	–	–	–	68 J	–	46 J	–	–	–	<45 U	–	67 J	–	<42 U	–	<41 U	–	<40 U
DI-N-BUTYL PHTHALATE	ug/kg	100000	<89 U	<90 U	98 J	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
DIALLATE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
DIBENZ(A,H)ANTHRACENE	ug/kg	1100	140 J	150 J	140 J	170 J	120 J	<49 U	120 J	86 J	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
DIBENZOFURAN	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
DIETHYL PHTHALATE	ug/kg	640000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed: NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

LOCATION			TC-04A-1	TC-05A-1	TC-06A-1	TC-07A-1	TC-08A-1	TC-09A-1	TC-09A-1	TP55-01A	TP55-01T	TP56-01A	TP56-01T	TP56-02A
DATE SAMPLED			8/18/05	8/18/05	8/18/05	8/17/05	8/17/05	8/17/05	8/17/05	8/18/05	8/18/05	9/14/05	9/14/05	9/14/05
SAMPLE DEPTH - TOP (FT.)			0	0	0	0	0	0	0	0	0.5	0.5	0.5	3.5
SAMPLE DEPTH BOTTOM (FT.)			4	4	4	4	4	4	4	4	0.5	4.5	1	4.5
DUPLICATE #			1	1	1	1	1	1	2	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA(1)												
DIMETHOATE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
DIMETHYL PHTHALATE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
ETHYL METHANESULFONATE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
FLUORANTHENE	ug/kg	2300000	950	1300	1100	1600	900	1500	1300	680	–	57 J	–	–
FLUORENE	ug/kg	3100000	<45 U	<45 U	<48 U	120 J	<45 U	71 J	57 J	<39 U	–	<39 U	–	–
HEXACHLOROBENZENE	ug/kg	6900	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
HEXACHLOROBUTADIENE	ug/kg	15000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
HEXACHLOROCYCLOPENTADIENE	ug/kg	NA	<220 U	<220 U	<240 U	<230 U	<220 R	<240 U	<240 U	<190 U	–	<200 U	–	–
HEXACHLOROETHANE	ug/kg	77000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
HEXACHLOROPROPYLENE	ug/kg	NA	<130 U	<130 U	<140 U	<140 U	<130 U	<150 U	<140 U	<120 U	–	<120 U	–	–
INDENO (1,2,3-CD) PYRENE	ug/kg	11000	490	610	610	630	510	680	530	360	–	<39 U	–	–
ISODRIN	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
ISOPHORONE	ug/kg	4600000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
ISOSAFROLE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
METHAPYRILENE	ug/kg	NA	<2200 R	<2200 R	<2400 R	<2300 R	<2200 R	<2400 R	<2400 R	<1900 R	–	<2000 R	–	–
METHYL METHANESULFONATE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
N-DIOCTYL PHTHALATE	ug/kg	1500000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSO(METHYL)ETHYLAMINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSO-DI-N-BUTYLAMINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSODI-N-PROPYLAMINE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
N-NITROSODIETHYLAMINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSODIMETHYLAMINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSODIPHENYLAMINE	ug/kg	2200000	<45 U	<45 U	<48 U	60 J	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
N-NITROSOMORPHOLINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSOPIPERIDINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
N-NITROSOPYRROLIDINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
NAPHTHALENE	ug/kg	54000	54 J	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
NITROBENZENE	ug/kg	23000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
O-TOLUIDINE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
PARA-PHENYLENEDIAMINE	ug/kg	NA	<3400 UJ	<3400 UJ	<3600 UJ	<3400 U	<3400 R	<3600 U	<3600 U	<2900 R	–	<2900 UJ	–	–
PCN-2	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
PENTACHLOROBENZENE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
PENTACHLORONITROBENZENE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
PENTACHLOROPHENOL	ug/kg	51000	<220 U	<220 U	<240 U	<230 U	<220 U	<240 U	<240 U	<190 U	–	<200 U	–	–
PHENACETIN	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
PHENANTHRENE	ug/kg	NA	280	510	420	800	380	630	480	240	–	<39 U	–	–
PHENOL	ug/kg	46000000	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
PRONAMIDE	ug/kg	NA	<45 U	<45 U	<48 U	<45 U	<45 U	<49 U	<48 U	<39 U	–	<39 U	–	–
PYRENE	ug/kg	1700000	760	950	880	1400	880	1300	1100	520	–	52 J	–	–
PYRIDINE	ug/kg	77000	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
SAFROLE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
TETRAETHYL DITHIOPYROPHOSPHATE	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
THIONAZIN	ug/kg	NA	<89 U	<90 U	<97 U	<91 U	<89 U	<97 U	<95 U	<78 U	–	<78 U	–	–
Metals														
ANTIMONY	ug/kg	31000	<1060 U	<1060 U	<1140 U	<1080 U	<1060 U	<1170 U	<1140 U	<917 U	–	<928 UJ	–	–
ARSENIC	ug/kg	6800	^9110	5770	5880	^11100	^7630	^7480	^8760	5670	^10300	^16200 J	^7730	6230
BARIUM	ug/kg	5400000	76400	92700	72300	83400 J	56600 J	90500 J	132000 J	69900	–	71200 J	–	–
BERYLLIUM	ug/kg	150000	371 J	397 J	394 J	466 J	357 J	312 J	497 J	320 J	–	512 J	–	–
CADMIUM	ug/kg	35000	633 J	683	486 J	672	224 J	521 J	310 J	<96.2 U	–	777	–	–
CHROMIUM	ug/kg	NA	16600	18600	16900	14900 J	10800 J	13800 J	15300 J	13500	–	12800	–	–
COBALT	ug/kg	1400000	6890	7400	6430	6560	5250	4870	8260	4180	–	5200	–	–
COPPER	ug/kg	NA	17600	21200	18800	28700	14100	16500	19900	12000	–	11000 J	–	–
LEAD	ug/kg	400000	29100	56500	21500	115000	23200	54600	33600	50700 J	130000	16500 J	26900 J	9550
MERCURY	ug/kg	7800	39.3 J	34.5 J	18.3 J	68.1 J	19.1 J	33.6 J	27.8 J	48.0 J	–	18.4 B	–	–
NICKEL	ug/kg	1500000	16700	19600	17200	16200	12800	11700	18700	10400	–	10600	–	–
SELENIUM	ug/kg	390000	<1240 U	<1240 U	<1340 U	<1270 U	<1240 U	<1370 U	<1330 U	1240 J	–	<1090 U	–	–
SILVER	ug/kg	390000	353 J	415 J	279 J	<251 U	<245 U	<272 U	<263 U	<212 U	–	<215 U	–	–
THALLIUM	ug/kg	6200	<1240 U	<1240 U	<1340 U	1320 J	<1240 U	<1370 U	<1330 U	1330 J	–	1320 J	–	–
TIN	ug/kg	NA	1420 B	1540 B	1400 B	3090 B	2330 B	3090 B	2820 B	1470 B	–	2640 B	–	–
VANADIUM	ug/kg	700000	25600	27400	26300	23300 J	17200 J	15500 J	25300 J	20100 J	–	26300	–	–
ZINC	ug/kg	23000000	132000	101000	70500	119000 J	83600 J	92100 J	74100 J	76300 J	–	48700 J	–	–

LOCATION	TP56B-02A	TP75-01A	TP75-01T	TP76-01A	TP76-01A	TP76-01T	TP76-01T	TP77-01A	TP77-01T	TP78-01A	TP78-01T	TP79-01A	TP79-01T	TP80-01A	TP80-01T	TP81-01A
DATE SAMPLED	9/14/05	8/18/05	8/18/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/15/05
SAMPLE DEPTH - TOP (FT.)	0	0	0.5	0	0	0.5	0.5	0	0.5	0	0.5	0	0.5	0	1	0
SAMPLE DEPTH BOTTOM (FT.)	4	4	0.5	4	4	0.5	0.5	4	0.5	4	0.5	4	0.5	4	1	4
DUPLICATE #	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
ANALYTICAL PARAMETER																
DIMETHOATE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
DIMETHYL PHTHALATE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
ETHYL METHANESULFONATE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
FLUORANTHENE	–	110 J	–	78 J	–	–	–	<45 U	–	140 J	–	<42 U	–	85 J	–	<40 U
FLUORENE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
HEXACHLOROBENZENE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
HEXACHLOROBUTADIENE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
HEXACHLOROCYCLOPENTADIENE	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
HEXACHLOROETHANE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
HEXACHLOROPROPYLENE	–	<120 U	–	<130 U	–	–	–	<130 U	–	<130 U	–	<130 U	–	<120 U	–	<120 U
INDENO (1,2,3-CD) PYRENE	–	50 J	–	<44 U	–	–	–	<45 U	–	61 J	–	<42 U	–	<41 U	–	<40 U
ISODRIN	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
ISOPHORONE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
ISOSAFROLE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
METHAPYRILENE	–	<2100 R	–	<2200 R	–	–	–	<2200 R	–	<2200 R	–	<2100 R	–	<2100 R	–	<2000 R
METHYL METHANESULFONATE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
N-DIOCTYL PHTHALATE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSO(METHYL)ETHYLAMINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSO-DI-N-BUTYLAMINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSODI-N-PROPYLAMINE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
N-NITROSODIETHYLAMINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSODIMETHYLAMINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSODIPHENYLAMINE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
N-NITROSOMORPHOLINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSOPIPERIDINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
N-NITROSOPYRROLIDINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
NAPHTHALENE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
NITROBENZENE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
O-TOLUIDINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
O,O,O-TRIETHYLPHOSPHOROTHIOATE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
PARA-PHENYLENEDIAMINE	–	<3100 UJ	–	<3300 UJ	–	–	–	<3400 UJ	–	<3300 UJ	–	<3200 UJ	–	<3100 UJ	–	<3000 UJ
PCN-2	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
PENTACHLOROBENZENE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
PENTACHLORONITROBENZENE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
PENTACHLOROPHENOL	–	<210 U	–	<220 U	–	–	–	<220 U	–	<220 U	–	<210 U	–	<210 U	–	<200 U
PHENACETIN	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
PHENANTHRENE	–	<42 U	–	<44 U	–	–	–	<45 U	–	45 J	–	<42 U	–	<41 U	–	<40 U
PHENOL	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
PRONAMIDE	–	<42 U	–	<44 U	–	–	–	<45 U	–	<45 U	–	<42 U	–	<41 U	–	<40 U
PYRENE	–	88 J	–	68 J	–	–	–	<45 U	–	120 J	–	<42 U	–	74 J	–	<40 U
PYRIDINE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
SAFROLE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
TETRAETHYL DITHIOPYROPHOSPHATE	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
THIONAZIN	–	<83 U	–	<88 U	–	–	–	<90 U	–	<89 U	–	<84 U	–	<83 U	–	<79 U
Metals																
ANTIMONY	–	<983 U	–	<1060 U	–	–	–	<1080 U	–	<1070 U	–	<1020 U	–	<1000 U	–	<958 U
ARSENIC	^7780	^18800	5170	6540	–	^9290	^11900	4480	5380	^10700	^9400	4810	5180	^7720	5780	4000
BARIUM	–	73000	–	76500	–	–	–	66800	–	77500	–	58200	–	63400	–	38100
BERYLLIUM	–	458 J	–	442 J	–	–	–	512 J	–	560 J	–	475 J	–	344 J	–	369 J
CADMIUM	–	923	–	324 J	–	–	–	216 J	–	418 J	–	189 J	–	263 J	–	111 J
CHROMIUM	–	14600	–	15000	–	–	–	15000	–	16900	–	13400	–	12600	–	12200
COBALT	–	7290	–	4780	–	–	–	4200	–	6950	–	4450	–	4310	–	4470
COPPER	–	8700	–	13600	–	–	–	14400	–	14400	–	9200	–	6070	–	9020
LEAD	21000	15100 J	39400	13900	–	21700	25600	14100	27900	20900	54600	12400	23000	17700	38700	7800
MERCURY	–	54.9 J	–	36.8 J	–	–	–	46.0 J	–	38.7 J	–	29.4 J	–	30.7 J	–	10.2 J
NICKEL	–	13300	–	11400	–	–	–	13400	–	15700	–	11400	–	8100	–	10500
SELENIUM	–	<1150 U	–	<1240 U	–	–	–	<1270 U	–	<1260 U	–	<1190 U	–	<1170 U	–	<1120 U
SILVER	–	<228 U	–	<245 U	–	–	–	<251 U	–	<249 U	–	<236 U	–	<232 U	–	<222 U
THALLIUM	–	1450 J	–	<1240 U	–	–	–	1320 J	–	2630	–	1330 J	–	1430 J	–	<1120 U
TIN	–	<851 U	–	2810 B	–	–	–	2380 B	–	2420 B	–	2410 B	–	2210 B	–	1950 B
VANADIUM	–	30100 J	–	23200	–	–	–	24100	–	31900	–	23300	–	21700	–	22300
ZINC	–	58900 J	–	70600	–	–	–	44400	–	59200	–	36900	–	50100	–	27500

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed; NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

LOCATION			TC-04A-1	TC-05A-1	TC-06A-1	TC-07A-1	TC-08A-1	TC-09A-1	TC-09A-1	TP55-01A	TP55-01T	TP56-01A	TP56-01T
DATE SAMPLED			8/18/05	8/18/05	8/18/05	8/17/05	8/17/05	8/17/05	8/17/05	8/18/05	8/18/05	9/14/05	9/14/05
SAMPLE DEPTH - TOP (FT.)			0	0	0	0	0	0	0	0	0.5	0.5	0.5
SAMPLE DEPTH BOTTOM (FT.)			4	4	4	4	4	4	4	4	0.5	4.5	1
DUPLICATE #			1	1	1	1	1	1	2	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA(1)											
RCRA/TCLP													
1,1-DICHLOROETHENE	ug/l	700	–	–	–	–	–	–	–	–	<16 U	–	<16 U
1,2-DICHLOROETHANE	ug/l	500	–	–	–	–	–	–	–	–	<20 U	–	<20 U
BENZENE	ug/l	500	–	–	–	–	–	–	–	–	<10 U	–	<10 U
CARBON TETRACHLORIDE	ug/l	500	–	–	–	–	–	–	–	–	<20 U	–	<20 U
CHLOROBENZENE	ug/l	100000	–	–	–	–	–	–	–	–	<16 U	–	<16 U
CHLOROFORM	ug/l	6000	–	–	–	–	–	–	–	–	<16 U	–	<16 U
METHYL ETHYL KETONE	ug/l	200000	–	–	–	–	–	–	–	–	<60 U	–	<60 U
TETRACHLOROETHYLENE	ug/l	700	–	–	–	–	–	–	–	–	<16 U	–	<16 U
TRICHLOROETHENE	ug/l	500	–	–	–	–	–	–	–	–	<20 U	–	<20 U
VINYL CHLORIDE	ug/l	200	–	–	–	–	–	–	–	–	<20 U	–	<20 U
1,4-DICHLOROBENZENE	ug/l	7500	–	–	–	–	–	–	–	–	<2 U	–	<2 U
2,4,5-TRICHLOROPHENOL	ug/l	400000	–	–	–	–	–	–	–	–	<2 U	–	<2 U
2,4,6-TRICHLOROPHENOL	ug/l	2000	–	–	–	–	–	–	–	–	<2 U	–	<2 U
2,4-DINITROTOLUENE	ug/l	130	–	–	–	–	–	–	–	–	<2 U	–	<2 U
2-METHYLPHENOL (O-CRESOL)	ug/l	200000	–	–	–	–	–	–	–	–	<2 U	–	<2 U
4-METHYLPHENOL (P-CRESOL)	ug/l	200000	–	–	–	–	–	–	–	–	<4 U	–	<4 U
HEXACHLOROBENZENE	ug/l	130	–	–	–	–	–	–	–	–	<2 U	–	<2 U
HEXACHLOROBUTADIENE	ug/l	500	–	–	–	–	–	–	–	–	<2 U	–	<2 U
HEXACHLOROETHANE	ug/l	3000	–	–	–	–	–	–	–	–	<2 U	–	<2 U
NITROBENZENE	ug/l	2000	–	–	–	–	–	–	–	–	<2 U	–	<2 U
PENTACHLOROPHENOL	ug/l	100000	–	–	–	–	–	–	–	–	<6 U	–	<6 U
PYRIDINE	ug/l	5000	–	–	–	–	–	–	–	–	<4 U	–	<4 U
ARSENIC	ug/l	5000	–	–	–	–	–	–	–	–	<9.3 U	–	<9.3 U
BARIUM	ug/l	100000	–	–	–	–	–	–	–	–	651	–	399
CADMIUM	ug/l	1000	–	–	–	–	–	–	–	–	3.6 J	–	1.1 J
CHROMIUM	ug/l	5000	–	–	–	–	–	–	–	–	<4.8 UJ	–	<4.8 U
LEAD	ug/l	5000	–	–	–	–	–	–	–	–	<8.4 UJ	–	<8.4 U
MERCURY	ug/l	200	–	–	–	–	–	–	–	–	<.062 U	–	<.062 U
SELENIUM	ug/l	1000	–	–	–	–	–	–	–	–	<9.4 U	–	<9.4 U
SILVER	ug/l	5000	–	–	–	–	–	–	–	–	<2.0 UJ	–	<2.0 UJ
PH	STD UNITS	NA	–	–	–	–	–	–	–	–	7.3	–	7.9
REACTIVE CYANIDE	ug/kg	NA	–	–	–	–	–	–	–	–	<96100 U	–	<98300 U
REACTIVE SULFIDE	ug/kg	NA	–	–	–	–	–	–	–	–	<27000 U	–	<27000 U
FLASHPOINT	DEGREES F	NA	–	–	–	–	–	–	–	–	NFO	–	<NFO U
PAINT FILTER	NONE	NA	–	–	–	–	–	–	–	–	NONE	–	NONE U
Miscellaneous													
ACID-SOLUBLE SULFIDE	ug/kg	NA	<11000	77000 J	56000 J	34000 J	12000 J	92000 J	<11000	<11000	–	<11000	–
CYANIDE	ug/kg	NA	<260 U	<2700 U	<280 U	<300 U	<270 U	<310 U	<310 U	<250 U	–	<220 U	–
PERCENT MOISTURE	%	NA	25.4	25.8	31	26.5	25.4	31.5	29.9	14	14	15	9.3
PERCENT SOLIDS (TOLUENE INSOLUBLE)	%	NA	77.7	74.5	72.8	76	81.1	67.9	75.3	85.5	–	85.2	–
TOTAL ORGANIC CARBON	ug/kg	NA	8340000	11900000	11700000	13500000	5280000	36300000	16500000	–	–	–	–
0.001 MM	% PASSING	NA	13	15	11	12	9.0 J	9	13	–	–	–	–
0.002 MM	% PASSING	NA	15	17.5	13	15.5	10.5 J	11.5	15	–	–	–	–
0.005 MM	% PASSING	NA	28.5	22.5	17.5	21.5	14.5	17	21	–	–	–	–
0.02 MM	% PASSING	NA	34	50	36	45	34	41.5	45	–	–	–	–
0.05 MM	% PASSING	NA	57	72	57	66.5	52	57.5	65	–	–	–	–
0.064 MM	% PASSING	NA	64	77	64	72	55.5	62.5	70	–	–	–	–
0.075 MM	% PASSING	NA	66.8	79.6	66.8	75.1	57.3	64.6	72.5	–	–	–	–
0.15 MM	% PASSING	NA	74	84.8	73.6	80.8	63.3	72.6	79.1	–	–	–	–
0.3 MM	% PASSING	NA	82.6	91.6	87.1	92.4	85.4	87.9	91.8	–	–	–	–
0.6 MM	% PASSING	NA	86.4	94.2	92.5	96.5	94.9	93.4	96.6	–	–	–	–
1.18 MM	% PASSING	NA	87.4	94.8	93.3	97.3	95.9	94.5	97.4	–	–	–	–
19 MM	% PASSING	NA	97.3	100	100	100	99.8	100	100	–	–	–	–
2.36 MM	% PASSING	NA	88	95	93.9	97.5	96.4	95.1	97.9	–	–	–	–
3.35 MM	% PASSING	NA	91.8	98.2	97.1	99.4	97.5	97.2	98.9	–	–	–	–
37.5 MM	% PASSING	NA	100	100	100	100	100	100	100	–	–	–	–
4.75 MM	% PASSING	NA	93.4	99.2	98.7	99.7	98.2	98.4	99.2	–	–	–	–
75 MM	% PASSING	NA	100	100	100	100	100	100	100	–	–	–	–

LOCATION	TP56-02A	TP56B-02A	TP75-01A	TP75-01T	TP76-01A	TP76-01A	TP76-01T	TP76-01T	TP77-01A	TP77-01T	TP78-01A	TP78-01T	TP79-01A	TP79-01T	TP80-01A	TP80-01T	TP81-01A
DATE SAMPLED	9/14/05	9/14/05	8/18/05	8/18/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/16/05	8/15/05
SAMPLE DEPTH - TOP (FT.)	3.5	0	0	0.5	0	0	0.5	0.5	0	0.5	0	0.5	0	0.5	0	1	0
SAMPLE DEPTH BOTTOM (FT.)	4.5	4	4	0.5	4	4	0.5	0.5	4	0.5	4	0.5	4	0.5	4	1	4
DUPLICATE #	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
RCRA/TCLP																	
1,1-DICHLOROETHENE	–	–	–	<16 U	–	–	<16 U	<16 U	–	–	–	<16 U	–	–	–	<16 U	–
1,2-DICHLOROETHANE	–	–	–	<20 U	–	–	<20 U	<20 U	–	–	–	<20 U	–	–	–	<20 U	–
BENZENE	–	–	–	<10 U	–	–	<10 U	<10 U	–	–	–	<10 U	–	–	–	<10 U	–
CARBON TETRACHLORIDE	–	–	–	<20 U	–	–	<20 U	<20 U	–	–	–	<20 U	–	–	–	<20 U	–
CHLOROBENZENE	–	–	–	<16 U	–	–	<16 U	<16 U	–	–	–	<16 U	–	–	–	<16 U	–
CHLOROFORM	–	–	–	<16 U	–	–	<16 U	<16 U	–	–	–	<16 U	–	–	–	<16 U	–
METHYL ETHYL KETONE	–	–	–	<60 U	–	–	<60 U	<60 U	–	–	–	<60 U	–	–	–	<60 U	–
TETRACHLOROETHYLENE	–	–	–	<16 U	–	–	<16 U	<16 U	–	–	–	<16 U	–	–	–	<16 U	–
TRICHLOROETHENE	–	–	–	<20 U	–	–	<20 U	<20 U	–	–	–	<20 U	–	–	–	<20 U	–
VINYL CHLORIDE	–	–	–	<20 U	–	–	<20 U	<20 U	–	–	–	<20 U	–	–	–	<20 U	–
1,4-DICHLOROBENZENE	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
2,4,5-TRICHLOROPHENOL	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
2,4,6-TRICHLOROPHENOL	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
2,4-DINITROTOLUENE	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
2-METHYLPHENOL (O-CRESOL)	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
4-METHYLPHENOL (P-CRESOL)	–	–	–	<4 U	–	–	<6 U	<4 U	–	–	–	<4 U	–	–	–	<4 U	–
HEXACHLOROBENZENE	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
HEXACHLOROBUTADIENE	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
HEXACHLOROETHANE	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
NITROBENZENE	–	–	–	<2 U	–	–	<3 U	<2 U	–	–	–	<2 U	–	–	–	<2 U	–
PENTACHLOROPHENOL	–	–	–	<6 U	–	–	<9 U	<6 U	–	–	–	<6 U	–	–	–	<6 U	–
PYRIDINE	–	–	–	<4 U	–	–	<6 U	<4 U	–	–	–	<4 U	–	–	–	<4 U	–
ARSENIC	–	–	–	<9.3 U	–	–	<9.3 U	<9.3 U	–	–	–	<9.3 U	–	–	–	<9.3 U	–
BARIUM	–	–	–	475	–	–	452	557	–	–	–	406	–	–	–	232	–
CADMIUM	–	–	–	1.9 J	–	–	1.5 J	1.8 J	–	–	–	1.3 J	–	–	–	1.2 J	–
CHROMIUM	–	–	–	<4.8 UJ	–	–	<4.8 UJ	<4.8 UJ	–	–	–	<4.8 UJ	–	–	–	<4.8 UJ	–
LEAD	–	–	–	<8.4 UJ	–	–	<8.4 UJ	<8.4 UJ	–	–	–	<8.4 UJ	–	–	–	<8.4 UJ	–
MERCURY	–	–	–	<.062 U	–	–	<.062 U	<.062 U	–	–	–	<.062 U	–	–	–	<.062 U	–
SELENIUM	–	–	–	<9.4 U	–	–	<9.4 U	11.1 J	–	–	–	<9.4 U	–	–	–	<9.4 U	–
SILVER	–	–	–	<2.0 UJ	–	–	<2.0 UJ	<2.0 UJ	–	–	–	<2.0 UJ	–	–	–	<2.0 UJ	–
PH	–	–	–	7.1	–	–	7.8	8	–	–	–	7.5	–	–	–	7.6	–
REACTIVE CYANIDE	–	–	–	<99400 U	–	–	<99500 U	<97900 U	–	–	–	<98900 U	–	–	–	<98400 U	–
REACTIVE SULFIDE	–	–	–	<27000 U	–	–	<27000 U	<27000 U	–	–	–	<27000 U	–	–	–	<27000 U	–
FLASHPOINT	–	–	–	NFO	–	–	NFO	NFO	–	–	–	NFO	–	–	–	NFO	–
PAINT FILTER	–	–	–	NONE	–	–	NONE	NONE	–	–	–	NONE	–	–	–	NONE	–
Miscellaneous																	
ACID-SOLUBLE SULFIDE	–	–	<11000	–	<11000	<11000	–	–	<11000	–	<11000	–	<11000	–	<11000	–	<11000
CYANIDE	–	–	<240 U	–	<270 U	–	–	–	<250 U	–	<270 U	–	<240 U	–	<230 U	–	<220 U
PERCENT MOISTURE	22	15.6	19.8	13.3	24	24	12.4	12.8	25.9	27.5	25.2	17	21	25.1	19.6	10.7	16.1
PERCENT SOLIDS (TOLUENE INSOLUBLE)	–	–	83.5	–	87.4	74.4	–	–	70.9	–	81.6	–	86.9	–	86.8	–	74
TOTAL ORGANIC CARBON	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.001 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.002 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.005 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.02 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.05 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.064 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.075 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.15 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.3 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.6 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1.18 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2.36 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3.35 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37.5 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4.75 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75 MM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed: NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

		LOCATION	TP82-01A	TP82-01T	TP83-01A	TP84-01A	TP85-01A	TP86-01A	TP86-01A	TP86-01A	TP86-01T	TP86-01T	TP87-01A	TP87-01T	TP88-01A	TP88-01T	TP89-01A	TP89-01T	TP90-01A
		DATE SAMPLED	8/16/05	8/16/05	8/15/05	8/17/05	8/15/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05
		SAMPLE DEPTH - TOP (FT.)	0	0.5	0	0	0	0	0	1.5	0.5	0	0	0.5	0	0.5	0	0	0
		SAMPLE DEPTH BOTTOM (FT.)	4	0.5	4	4	4	4	4	1.5	0.5	4	4	0.5	4	0.5	4	2	4
		DUPLICATE #	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA[1]																	
Volatiles																			
1,1,1,2-TETRACHLOROETHANE	ug/kg	95000	<1 UJ	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,1,1-TRICHLOROETHANE	ug/kg	990000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	11000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,1,2-TRICHLOROETHANE	ug/kg	24000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,1-DICHLOROETHANE	ug/kg	580000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,1-DICHLOROETHENE	ug/kg	1600	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,2,3-TRICHLOROPROPANE	ug/kg	1500	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	NA	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
1,2-DIBROMOETHANE (EDB)	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,2-DICHLOROETHANE	ug/kg	10000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,2-DICHLOROPROPANE	ug/kg	6400	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
1,4-DIOXANE	ug/kg	980000	<97 U	–	<81 U	<92 U	<92 U	<87 U	–	<74 U	–	–	<83 U	–	<86 U	–	<83 U	–	<77 U
2-HEXANONE	ug/kg	NA	<4 U	–	<3 U	<4 U	<4 U	<4 U	–	<3 U	–	–	<4 U	–	<4 U	–	<4 U	–	<3 U
ACETONE	ug/kg	7300000	70	–	14 J	75	10 J	40	–	98	–	–	140	–	84	–	100	–	47
ACETONITRILE	ug/kg	NA	<34 U	–	<29 U	<33 U	<33 U	<31 U	–	<26 U	–	–	<30 U	–	<31 U	–	<29 U	–	<27 U
ACROLEIN	ug/kg	NA	<28 U	–	<1 U	<26 U	<2 U	<25 U	–	<21 U	–	–	<24 U	–	<25 U	–	<24 U	–	<22 U
ACRYLONITRILE	ug/kg	3700	<6 U	–	<5 U	<5 U	<5 U	<5 U	–	<4 U	–	–	<5 U	–	<5 U	–	<5 U	–	<4 U
ALLYL CHLORIDE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
BENZENE	ug/kg	9800	<0.7 U	–	4 J	<0.7 U	6 J	<0.6 U	–	<0.5 U	–	–	<0.6 U	–	<0.6 U	–	<0.6 U	–	0.9 J
BROMODICHLOROMETHANE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
BROMOFORM	ug/kg	NA	<1 UJ	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CARBON DISULFIDE	ug/kg	350000	<1 U	–	2 J	<1 U	<1 U	<1 U	–	1 J	–	–	1 J	–	<1 U	–	<1 U	–	2 J
CARBON TETRACHLORIDE	ug/kg	1700	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CHLOROBENZENE	ug/kg	150000	<1 UJ	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CHLORODIBROMOMETHANE	ug/kg	130000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CHLOROFORM	ug/kg	7300	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CHLOROPRENE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CIS-1,2 DICHLOROETHENE	ug/kg	760000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
CIS-1,3-DICHLOROPROPENE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
DICHLORODIFLUOROMETHANE	ug/kg	120000	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
ETHYL CHLORIDE	ug/kg	8800000	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
ETHYL METHACRYLATE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
ETHYLBENZENE	ug/kg	230000	<1 U	–	2 J	<1 U	1 J	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
IODOMETHANE	ug/kg	NA	<4 U	–	<3 U	<4 U	<4 U	<4 U	–	<3 U	–	–	<4 U	–	<4 U	–	<4 U	–	<3 U
ISOBUTYL ALCOHOL	ug/kg	22000000	<140 U	–	<120 U	<130 U	<130 U	<120 U	–	<110 U	–	–	<120 U	–	<120 U	–	<120 U	–	<110 U
METHACRYLONITRILE	ug/kg	NA	<7 U	–	<6 U	<7 U	<7 U	<6 U	–	<5 U	–	–	<6 U	–	<6 U	–	<6 U	–	<5 U
METHYL BROMIDE	ug/kg	NA	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
METHYL CHLORIDE	ug/kg	NA	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
METHYL ETHYL KETONE	ug/kg	6700000	7 J	–	<5 U	7 J	<5 U	<5 U	–	10 J	–	–	14	–	5 J	–	8 J	–	5 J
METHYL ISOBUTYL KETONE	ug/kg	700000	<4 U	–	<3 U	<4 U	<4 U	<4 U	–	<3 U	–	–	<4 U	–	<4 U	–	<4 U	–	<3 U
METHYL METHACRYLATE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
METHYLENE BROMIDE	ug/kg	NA	<1 UJ	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
METHYLENE CHLORIDE	ug/kg	250000	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
PENTACHLOROETHANE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
PROPIONITRILE	ug/kg	NA	<41 U	–	<35 U	<39 U	<39 U	<37 U	–	<32 U	–	–	<35 U	–	<37 U	–	<35 U	–	<33 U
STYRENE	ug/kg	1700000	<1 UJ	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
TETRACHLOROETHYLENE	ug/kg	130000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
TOLUENE	ug/kg	520000	<1 U	–	8	<1 U	9	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	3 J
TRANS-1,2-DICHLOROETHENE	ug/kg	1500000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
TRANS-1,3-DICHLOROPROPENE	ug/kg	NA	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
TRANS-1,4-DICHLOROBUTENE-2	ug/kg	NA	<14 U	–	<12 U	<13 U	<13 U	<12 U	–	<11 U	–	–	<12 U	–	<12 U	–	<12 U	–	<11 U
TRICHLOROETHENE	ug/kg	80000	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
TRICHLOROFLUOROMETHANE	ug/kg	490000	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
VINYL ACETATE	ug/kg	410000	<3 U	–	<2 U	<3 U	<3 U	<2 U	–	<2 U	–	–	<2 U	–	<2 U	–	<2 U	–	<2 U
VINYL CHLORIDE	ug/kg	3700	<1 U	–	<1 U	<1 U	<1 U	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	<1 U
XYLENES	ug/kg	160000	<1 UJ	–	5 J	<1 U	3 J	<1 U	–	<1 U	–	–	<1 U	–	<1 U	–	<1 U	–	1 J
Semivolatiles																			
1,2,4,5-TETRACHLOROBENZENE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
1,2,4-TRICHLOROBENZENE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
1,2-DICHLOROBENZENE	ug/kg	150000	<43 U	–	<39 U	110 J	<44 U	<39 U	–	57 J	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
1,3,5-TRINITROBENZENE	ug/kg	2300000	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed: NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

		LOCATION	TP82-01A	TP82-01T	TP83-01A	TP84-01A	TP85-01A	TP86-01A	TP86-01A	TP86-01A	TP86-01T	TP86-01T	TP87-01A	TP87-01T	TP88-01A	TP88-01T	TP89-01A	TP89-01T	TP90-01A
		DATE SAMPLED	8/16/05	8/16/05	8/15/05	8/17/05	8/15/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05
		SAMPLE DEPTH - TOP (FT.)	0	0.5	0	0	0	0	0	1.5	0.5	0	0	0.5	0	0.5	0	0	0
		SAMPLE DEPTH BOTTOM (FT.)	4	0.5	4	4	4	4	4	1.5	0.5	4	4	0.5	4	0.5	4	2	4
		DUPLICATE #	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA(1)																	
1,3-DICHLOROBENZENE	ug/kg	68000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
1,3-DINITROBENZENE	ug/kg	7600	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
1,4-DICHLOROBENZENE	ug/kg	95000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
1,4-NAPHTHOQUINONE	ug/kg	NA	<1100 UJ	–	<980 UJ	<940 UJ	<1100 UJ	<960 UJ	–	<950 UJ	–	–	<970 UJ	–	<920 UJ	–	<980 UJ	–	<980 UJ
1-NAPHTHYLAMINE	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
2,3,4,6-TETRACHLOROPHENOL	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
2,4,5-TRICHLOROPHENOL	ug/kg	7700000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
2,4,6-TRICHLOROPHENOL	ug/kg	1000000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2,4-DICHLOROPHENOL	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2,4-DIMETHYLPHENOL	ug/kg	1500000	<130 U	–	<120 U	<110 U	<130 U	<120 U	–	<110 U	–	–	<120 U	–	<110 U	–	<120 U	–	<120 U
2,4-DINITROPHENOL	ug/kg	NA	<870 U	–	<790 U	<750 U	<870 U	<770 U	–	<760 U	–	–	<780 U	–	<740 U	–	<780 U	–	<780 U
2,4-DINITROTOLUENE	ug/kg	150000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
2,6-DICHLOROPHENOL	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
2,6-DINITROTOLUENE	ug/kg	76000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2-ACETYLAMINOFLUORENE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
2-CHLOROPHENOL	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2-METHYLNAPHTHALENE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2-METHYLPHENOL (O-CRESOL)	ug/kg	390000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
2-NAPHTHYLAMINE	ug/kg	NA	<220 R	–	<200 R	<190 U	<220 R	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
2-NITROANILINE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2-NITROPHENOL	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
2-PICOLINE	ug/kg	NA	<130 U	–	<120 U	<110 U	<130 U	<120 U	–	<110 U	–	–	<120 U	–	<110 U	–	<120 U	–	<120 U
3,3'-DICHLOROBENZIDINE	ug/kg	24000	<130 U	–	<120 U	<110 U	<130 U	<120 U	–	<110 U	–	–	<120 U	–	<110 U	–	<120 U	–	<120 U
3,3'-DIMETHYLBENZIDINE	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
3-METHYLCHOLANTHRENE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
3-NITROANILINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
4-AMINOBIPHENYL	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
4-BROMOPHENYL PHENYL ETHER	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
4-CHLORO-3-METHYLPHENOL	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
4-CHLOROANILINE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
4-DIMETHYLAMINOAZOBENZENE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
4-METHYLPHENOL (P-CRESOL)	ug/kg	390000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
4-NITROANILINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
4-NITROPHENOL	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
4-NITROQUINOLINE-N-OXIDE	ug/kg	NA	<430 U	–	<390 U	<370 U	<440 U	<390 U	–	<380 U	–	–	<390 U	–	<370 U	–	<390 U	–	<390 U
5-NITRO-ORTHO-TOLUIDINE	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
ACENAPHTHENE	ug/kg	4600000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
ACENAPHTHYLENE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
ACETOPHENONE	ug/kg	7600000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
ANILINE	ug/kg	5800	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
ANTHRACENE	ug/kg	23000000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
BENZO(A)ANTHRACENE	ug/kg	11000	<43 U	–	<39 U	<37 U	<44 U	43 J	–	60 J	–	–	<39 U	–	56 J	–	<39 U	–	61 J
BENZO(B)FLUORANTHENE	ug/kg	11000	<43 U	–	45 J	<37 U	<44 U	81 J	–	110 J	–	–	<39 U	–	98 J	–	49 J	–	98 J
BENZO(G,H,I)PERYLENE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	39 J	–	48 J	–	–	<39 U	–	40 J	–	<39 U	–	51 J
BENZO(K)FLUORANTHENE	ug/kg	110000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	43 J	–	–	<39 U	–	39 J	–	<39 U	–	42 J
BENZO[A]PYRENE	ug/kg	1100	<43 U	–	<39 U	<37 U	<44 U	55 J	–	72 J	–	–	<39 U	–	64 J	–	<39 U	–	73 J
BENZYL ALCOHOL	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
BIS(2-CHLOROISOPROPYL)ETHER	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
BIS(2-CHLOROETHOXY)METHANE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
BIS(2-CHLOROETHYL)ETHER	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	230000	130 J	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
BUTYL BENZYL PHTHALATE	ug/kg	220000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
CHLOROBENZILATE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
CHRYSENE	ug/kg	1100000	<43 U	–	<39 U	<37 U	<44 U	64 J	–	81 J	–	–	<39 U	–	72 J	–	<39 U	–	75 J
DI-N-BUTYL PHTHALATE	ug/kg	100000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
DIALLATE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
DIBENZ(A,H)ANTHRACENE	ug/kg	1100	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
DIBENZOFURAN	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
DIETHYL PHTHALATE	ug/kg	640000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed: NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

		LOCATION	TP82-01A	TP82-01T	TP83-01A	TP84-01A	TP85-01A	TP86-01A	TP86-01A	TP86-01A	TP86-01T	TP86-01T	TP87-01A	TP87-01T	TP88-01A	TP88-01T	TP89-01A	TP89-01T	TP90-01A
		DATE SAMPLED	8/16/05	8/16/05	8/15/05	8/17/05	8/15/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05
		SAMPLE DEPTH - TOP (FT.)	0	0.5	0	0	0	0	0	1.5	0.5	0	0	0.5	0	0.5	0	0	0
		SAMPLE DEPTH BOTTOM (FT.)	4	0.5	4	4	4	4	4	1.5	0.5	4	4	0.5	4	0.5	4	2	4
		DUPLICATE #	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA[1]																	
DIMETHOATE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
DIMETHYL PHTHALATE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
ETHYL METHANESULFONATE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
FLUORANTHENE	ug/kg	2300000	<43 U	–	43 J	<37 U	<44 U	110 J	–	140 J	–	–	<39 U	–	110 J	–	60 J	–	120 J
FLUORENE	ug/kg	3100000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
HEXACHLOROBENZENE	ug/kg	6900	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
HEXACHLOROBUTADIENE	ug/kg	15000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
HEXACHLOROCYCLOPENTADIENE	ug/kg	NA	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
HEXACHLOROETHANE	ug/kg	77000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
HEXACHLOROPROPYLENE	ug/kg	NA	<130 U	–	<120 U	<110 U	<130 U	<120 U	–	<110 U	–	–	<120 U	–	<110 U	–	<120 U	–	<120 U
INDENO (1,2,3-CD) PYRENE	ug/kg	11000	<43 U	–	<39 U	<37 U	<44 U	39 J	–	52 J	–	–	<39 U	–	42 J	–	<39 U	–	46 J
ISODRIN	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
ISOPHORONE	ug/kg	4600000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
ISOSAFROLE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
METHAPYRILENE	ug/kg	NA	<2200 R	–	<2000 R	<1900 R	<2200 R	<1900 R	–	<1900 R	–	–	<1900 R	–	<1800 R	–	<2000 R	–	<2000 R
METHYL METHANESULFONATE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
N-DIOCTYL PHTHALATE	ug/kg	1500000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSO(METHYL)ETHYLAMINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSO-DI-N-BUTYLAMINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSODI-N-PROPYLAMINE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
N-NITROSODIETHYLAMINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSODIMETHYLAMINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSODIPHENYLAMINE	ug/kg	2200000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
N-NITROSOMORPHOLINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSOPIPERIDINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
N-NITROSOPYRROLIDINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
NAPHTHALENE	ug/kg	54000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
NITROBENZENE	ug/kg	23000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
O-TOLUIDINE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
PARA-PHENYLENEDIAMINE	ug/kg	NA	<3300 UJ	–	<2900 UJ	<2800 U	<3300 UJ	<2900 U	–	<2900 U	–	–	<2900 U	–	<2800 U	–	<2900 U	–	<2900 U
PCN-2	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
PENTACHLOROBENZENE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
PENTACHLORONITROBENZENE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
PENTACHLOROPHENOL	ug/kg	51000	<220 U	–	<200 U	<190 U	<220 U	<190 U	–	<190 U	–	–	<190 U	–	<180 U	–	<200 U	–	<200 U
PHENACETIN	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
PHENANTHRENE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	41 J	–	47 J	–	–	<39 U	–	40 J	–	<39 U	–	<39 U
PHENOL	ug/kg	46000000	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
PRONAMIDE	ug/kg	NA	<43 U	–	<39 U	<37 U	<44 U	<39 U	–	<38 U	–	–	<39 U	–	<37 U	–	<39 U	–	<39 U
PYRENE	ug/kg	1700000	<43 U	–	<39 U	<37 U	<44 U	96 J	–	130 J	–	–	<39 U	–	100 J	–	55 J	–	100 J
PYRIDINE	ug/kg	77000	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
SAFROLE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
TETRAETHYL DITHIOPYROPHOSPHATE	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
THIONAZIN	ug/kg	NA	<87 U	–	<79 U	<75 U	<87 U	<77 U	–	<76 U	–	–	<78 U	–	<74 U	–	<78 U	–	<78 U
Metals																			
ANTIMONY	ug/kg	31000	<1050 U	–	<948 U	<902 U	<1050 U	<939 U	–	<920 U	–	–	<931 U	–	<909 U	–	<961 U	–	<941 U
ARSENIC	ug/kg	6800	3130	2710	4420	6650	^13400	^7990	–	6780	^7540	^8220	5300	3460	5260	5230	4640	4700	3740
BARIUM	ug/kg	5400000	50500	–	43600	62500 J	45700	87100 J	–	80300 J	–	–	103000 J	–	36100 J	–	43800 J	–	52700 J
BERYLLIUM	ug/kg	150000	428 J	–	399 J	547 J	371 J	454 J	–	433 J	–	–	315 J	–	330 J	–	370 J	–	346 J
CADMIUM	ug/kg	35000	133 J	–	143 J	<94.6 U	267 J	156 J	–	118 J	–	–	126 J	–	<95.3 U	–	<101 U	–	144 J
CHROMIUM	ug/kg	NA	13700	–	10900	16300 J	11800	13700 J	–	14200 J	–	–	9660 J	–	9050 J	–	9980 J	–	10200 J
COBALT	ug/kg	1400000	4950	–	4110	6440	7490	6390	–	5490	–	–	4390	–	3690	–	3830	–	3010
COPPER	ug/kg	NA	8280	–	9420	14600	13900	12200	–	11100	–	–	6940	–	7970	–	8560	–	7630
LEAD	ug/kg	400000	9510	25500	9210	11800	16400	14500	–	15500	15400	14100	5800	4570	19600	17200	16400	33900	11300
MERCURY	ug/kg	7800	16.2 J	–	15.9 J	23.3 J	11.8 J	32.6 J	–	31.8 J	–	–	16.2 J	–	29.2 J	–	21.6 J	–	27.8 J
NICKEL	ug/kg	1500000	11200	–	11200	16400	15400	12900	–	12900	–	–	7850	–	8400	–	10000	–	8050
SELENIUM	ug/kg	390000	<1230 U	–	<1110 U	<1060 U	<1230 U	<1100 U	–	<1080 U	–	–	<1090 U	–	<1060 U	–	<1130 U	–	<1100 U
SILVER	ug/kg	390000	<243 U	–	<220 U	<209 U	<244 U	<217 U	–	<213 U	–	–	<216 U	–	<211 U	–	<223 U	–	<218 U
THALLIUM	ug/kg	6200	1600 J	–	1150 J	2410	1530 J	1310 J	–	1480 J	–	–	1630 J	–	<1060 U	–	<1130 U	–	<1100 U
TIN	ug/kg	NA	2520 B	–	1880 B	2190 B	2110 B	2580 B	–	2370 B	–	–	2080 B	–	2260 B	–	2320 B	–	2520 B
VANADIUM	ug/kg	700000	23000	–	20600	29600 J	20700	25100 J	–	23100 J	–	–	17400 J	–	17000 J	–	17900 J	–	17800 J
ZINC	ug/kg	23000000	33400	–	32800	35900 J	59600	42400 J	–	42700 J	–	–	28400 J	–	58100 J	–	30200 J	–	28600 J

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed: NA = Not Applicable

TABLE 3 - SOIL ANALYTICAL RESULTS - North and Southeast Dibble Park
2005 DIBBLE PARK INVESTIGATION
DUPONT TOLEDO PLANT, TOLEDO, OHIO

LOCATION			TP82-01A	TP82-01T	TP83-01A	TP84-01A	TP85-01A	TP86-01A	TP86-01A	TP86-01A	TP86-01T	TP86-01T	TP87-01A	TP87-01T	TP88-01A	TP88-01T	TP89-01A	TP89-01T	TP90-01A
DATE SAMPLED			8/16/05	8/16/05	8/15/05	8/17/05	8/15/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05	8/17/05
SAMPLE DEPTH - TOP (FT.)			0	0.5	0	0	0	0	0	1.5	0.5	0	0	0.5	0	0.5	0	0	0
SAMPLE DEPTH BOTTOM (FT.)			4	0.5	4	4	4	4	4	1.5	0.5	4	4	0.5	4	0.5	4	2	4
DUPLICATE #			1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1
ANALYTICAL PARAMETER	UNITS	CRITERIA(1)																	
RCRA/TCLP																			
1,1-DICHLOROETHENE	ug/l	700	–	<16 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1,2-DICHLOROETHANE	ug/l	500	–	<20 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
BENZENE	ug/l	500	–	<10 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CARBON TETRACHLORIDE	ug/l	500	–	<20 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CHLOROBENZENE	ug/l	100000	–	<16 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CHLOROFORM	ug/l	6000	–	<16 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
METHYL ETHYL KETONE	ug/l	200000	–	<60 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TETRACHLOROETHYLENE	ug/l	700	–	<16 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TRICHLOROETHENE	ug/l	500	–	<20 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VINYL CHLORIDE	ug/l	200	–	<20 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1,4-DICHLOROBENZENE	ug/l	7500	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2,4,5-TRICHLOROPHENOL	ug/l	400000	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2,4,6-TRICHLOROPHENOL	ug/l	2000	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2,4-DINITROTOLUENE	ug/l	130	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2-METHYLPHENOL (O-CRESOL)	ug/l	200000	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4-METHYLPHENOL (P-CRESOL)	ug/l	200000	–	<4 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HEXACHLOROBENZENE	ug/l	130	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HEXACHLOROBUTADIENE	ug/l	500	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HEXACHLOROETHANE	ug/l	3000	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
NITROBENZENE	ug/l	2000	–	<2 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PENTACHLOROPHENOL	ug/l	100000	–	<6 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PYRIDINE	ug/l	5000	–	<4 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ARSENIC	ug/l	5000	–	<9.3 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
BARIUM	ug/l	100000	–	178	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CADMIUM	ug/l	1000	–	<.97 UJ	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CHROMIUM	ug/l	5000	–	<4.8 UJ	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LEAD	ug/l	5000	–	<8.4 UJ	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MERCURY	ug/l	200	–	<.062 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SELENIUM	ug/l	1000	–	<9.4 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SILVER	ug/l	5000	–	<2.0 UJ	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PH	STD UNITS	NA	–	6.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
REACTIVE CYANIDE	ug/kg	NA	–	<96800 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
REACTIVE SULFIDE	ug/kg	NA	–	<27000 U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FLASHPOINT	DEGREES F	NA	–	NFO	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PAINT FILTER	NONE	NA	–	NONE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Miscellaneous																			
ACID-SOLUBLE SULFIDE	ug/kg	NA	<11000 UJ	–	<11000	<11000	<11000	<11000	<11000	–	–	–	<11000	–	<11000	–	<11000	–	<11000
CYANIDE	ug/kg	NA	<270 U	–	<260 U	<240 U	<280 U	<240 U	–	<230 U	–	–	<240 U	–	<240 U	–	<260 U	–	<250 U
PERCENT MOISTURE	%	NA	23.2	16	15.2	10.9	23.7	13.5		12.6	13.4	11.7	14.5	9.8	9.8	14.8	14.7	12.5	14.6
PERCENT SOLIDS (TOLUENE INSOLUBLE)	%	NA	81.2	–	91.5	85.9	74.7	85.7	86.1	–	–	–	82.7	–	75.2	–	84.5	–	81.1
TOTAL ORGANIC CARBON	ug/kg	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.001 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.002 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.005 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.02 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.05 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.064 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.075 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.15 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.3 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
0.6 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1.18 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2.36 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3.35 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37.5 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4.75 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75 MM	% PASSING	NA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

(1) = Ohio EPA VAP Direct Contact Soil Residential 10/21/02
Green = not used for residential evaluation
U = Non Detect; J = Estimated Value; NFO = No Flash Observed: NA = Not Applicable

			Sample ID	CRG-05-A	CRG-05-A	CRG-05-B	CRG-05-B	CRG-05-B	CRG-05-D	CRG-05-D	CRG-06-A	CRG-06-B
			Date	3/2/05	6/7/05	3/2/05	6/7/05	9/13/05	3/3/05	9/14/05	3/2/05	3/2/05
			Duplicate #	1	1	1	1	1	1	1	1	1
Analyte	**units**	**Tot/Dis**	**Criteria[1]**									
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
1,1,1,2-TETRACHLOROETHANE	ug/l	T	44	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,1,1-TRICHLOROETHANE	ug/l	T	200	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
1,1,2,2-TETRACHLOROETHANE	ug/l	T	5.9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,1,2-TRICHLOROETHANE	ug/l	T	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
1,1-DICHLOROETHANE	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,1-DICHLOROETHENE	ug/l	T	7	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
1,2,3-TRICHLOROPROPANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,2-DIBROMO-3-CHLOROPROPANE	ug/l	T	0.2	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
1,2-DIBROMOETHANE (EDB)	ug/l	T	0.05	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,2-DICHLOROETHANE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,2-DICHLOROPROPANE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
1,4-DIOXANE	ug/l	T	NA	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70) U	ND (70) U
2-HEXANONE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3) U	ND (3) U
ACETONE	ug/l	T	1600	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	6 J	ND (6) U	ND (6) U
ACETONITRILE	ug/l	T	NA	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25) U	ND (25) U
ACROLEIN	ug/l	T	NA	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40) U	ND (40) U
ACRYLONITRILE	ug/l	T	NA	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4) U	ND (4) U
ALLYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
BENZENE	ug/l	T	5	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5) U	ND (0.5) U
BROMODICHLOROMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
BROMOFORM	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
CARBON DISULFIDE	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	3 J	ND (1) U	ND (1) U
CARBON TETRACHLORIDE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
CHLOROBENZENE	ug/l	T	100	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
CHLORODIBROMOMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
CHLOROFORM	ug/l	T	NA	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
CHLOROPRENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
CIS-1,2 DICHLOROETHENE	ug/l	T	70	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
CIS-1,3-DICHLOROPROPENE	ug/l	T	14	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
DICHLORODIFLUOROMETHANE	ug/l	T	1900	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
ETHYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
ETHYL METHACRYLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
ETHYLBENZENE	ug/l	T	700	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
IODOMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
ISOBUTYL ALCOHOL	ug/l	T	4700	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) U	ND (100) U
METHACRYLONITRILE	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) U	ND (10) U
METHYL BROMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
METHYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
METHYL ETHYL KETONE	ug/l	T	6800	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3) U	ND (3) U
METHYL ISOBUTYL KETONE	ug/l	T	760	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3) U	ND (3) U
METHYL METHACRYLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
METHYLENE BROMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
METHYLENE CHLORIDE	ug/l	T	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
PENTACHLOROETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
STYRENE	ug/l	T	100	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
TETRACHLOROETHYLENE	ug/l	T	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
TOLUENE	ug/l	T	1000	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7) U	ND (0.7) U
TRANS-1,2-DICHLOROETHENE	ug/l	T	100	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
TRANS-1,3-DICHLOROPROPENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
TRANS-1,4-DICHLOROBUTENE-2	ug/l	T	NA	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15) U	ND (15) U

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	CRG-05-A	CRG-05-A	CRG-05-B	CRG-05-B	CRG-05-B	CRG-05-D	CRG-05-D	CRG-06-A	CRG-06-B
			Date	3/2/05	6/7/05	3/2/05	6/7/05	9/13/05	3/3/05	9/14/05	3/2/05	3/2/05
			Duplicate #	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]									
TRICHLOROETHENE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
TRICHLOROFLUOROMETHANE	ug/l	T	3700	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
VINYL ACETATE	ug/l	T	8400	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
VINYL CHLORIDE	ug/l	T	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) U	ND (1) U
XYLENES	ug/l	T	10000	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8) U	ND (0.8) U
1,2,4,5-TETRACHLOROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
1,2,4-TRICHLOROBENZENE	ug/l	T	70	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
1,2-DICHLOROBENZENE	ug/l	T	600	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
1,3,5-TRINITROBENZENE	ug/l	T	470	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) U	ND (5) U
1,3-DICHLOROBENZENE	ug/l	T	13	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
1,3-DINITROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
1,4-DICHLOROBENZENE	ug/l	T	75	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
1,4-NAPHTHOQUINONE	ug/l	T	NA	ND (10)J	ND (10)J	ND (10)J	ND (10)J	ND (10)	ND (10)J	ND (9)J	ND (10) UJ	ND (10) UJ
1-METHYLNAPHTHALENE	ug/l	T	NA	-	-	-	-	ND (1)	-	ND (0.9)		
1-NAPHTHYLAMINE	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) U	ND (5) U
2,3,4,6-TETRACHLOROPHENOL	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
2,4,5-TRICHLOROPHENOL	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2,4,6-TRICHLOROPHENOL	ug/l	T	120	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2,4-DICHLOROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2,4-DIMETHYLPHENOL	ug/l	T	310	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	ND (3)	ND (1) U	ND (1) U
2,4-DINITROPHENOL	ug/l	T	NA	ND (19)	ND (20)	ND (19)	ND (19)	ND (20)	ND (19)	ND (19)	ND (20) U	ND (19) U
2,4-DINITROTOLUENE	ug/l	T	32	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2,6-DICHLOROPHENOL	ug/l	T	16	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
2,6-DINITROTOLUENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2-ACETYLAMINOFLUORENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
2-CHLOROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2-METHYLNAPHTHALENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2-METHYLPHENOL (O-CRESOL)	ug/l	T	78	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2-NAPHTHYLAMINE	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) U	ND (5) U
2-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2-NITROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
2-PICOLINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
3,3'-DICHLOROBENZIDINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)	ND (2)	ND (1) U	ND (1) U
3,3'-DIMETHYLBENZIDINE	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (9)	ND (10) U	ND (10) U
3-METHYLCHOLANTHRENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
3-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) U	ND (5) U
4-AMINOBIPHENYL	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
4-BROMOPHENYL PHENYL ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
4-CHLORO-3-METHYLPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
4-CHLOROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
4-CHLOROPHENYL PHENYL ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
4-DIMETHYLAMINOAZOBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
4-METHYLPHENOL (P-CRESOL)	ug/l	T	78	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
4-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
4-NITROPHENOL	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (9)	ND (10) U	ND (10) U
4-NITROQUINOLINE-N-OXIDE	ug/l	T	NA	ND (19)	ND (20)	ND (19)	ND (19)	ND (20)	ND (19)	ND (19)J	ND (20) U	ND (19) U
5-NITRO-ORTHO-TOLUIDINE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3) U	ND (3) U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
ACENAPHTHENE	ug/l	T	680	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.6)	ND (1)	ND (1.5)	ND (1) U	ND (1) U
ACENAPHTHYLENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.6)	ND (1)	ND (1.5)	ND (1) U	ND (1) U
ACETOPHENONE	ug/l	T	1600	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
ANILINE	ug/l	T	49	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
ANTHRACENE	ug/l	T	2600	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.040)	ND (1)	ND (0.038)	ND (1) U	ND (1) U
BENZO(A)ANTHRACENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.020)	ND (1)	ND (0.019)	ND (1) U	ND (1) U

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	CRG-05-A	CRG-05-A	CRG-05-B	CRG-05-B	CRG-05-B	CRG-05-D	CRG-05-D	CRG-06-A	CRG-06-B
			Date	3/2/05	6/7/05	3/2/05	6/7/05	9/13/05	3/3/05	9/14/05	3/2/05	3/2/05
			Duplicate #	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]									
BENZO(B)FLUORANTHENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.040)	ND (1)	ND (0.038)	ND (1) U	ND (1) U
BENZO(G,H,I)PERYLENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.10)	ND (1)	<0.095 U	ND (1) U	ND (1) U
BENZO(K)FLUORANTHENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.020)	ND (1)	ND (0.019)	ND (1) U	ND (1) U
BENZO[A]PYRENE	ug/l	T	0.2	ND (0.2)	ND (0.2)	0.2 J	ND (0.2)	ND (0.020)	ND (0.2)	ND (0.019)	ND (0.2) U	ND (0.2) U
BENZYL ALCOHOL	ug/l	T	NA	ND (5)	ND (11)	ND (5)	ND (11)	ND (11)	ND (5)	ND (10)	ND (5) U	ND (5) U
BIS(2-CHLOROETHOXY)METHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
BIS(2-CHLOROETHYL)ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	2 J	7	ND (2) U	ND (2) U
BUTYL BENZYL PHTHALATE	ug/l	T	2900	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)		
CARBAZOLE	ug/l	T	64	-	-	-	-	ND (1)	-	ND (0.9)	ND (3) U	ND (3) U
CHLOROBENZILATE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (1) U	ND (1) U
CHRYSENE	ug/l	T	47	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.080)	ND (1)	ND (0.076)	ND (2) U	ND (2) U
DI-N-BUTYL PHTHALATE	ug/l	T	1400	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
DIALLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
DIBENZ(A,H)ANTHRACENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.040)	ND (1)	ND (0.038)	ND (1) U	ND (1) U
DIBENZOFURAN	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
DIETHYL PHTHALATE	ug/l	T	13000	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3) U	ND (3) U
DIMETHOATE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (2) U	ND (2) U
DIMETHYL PHTHALATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
ETHYL METHANESULFONATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
FLUORANTHENE	ug/l	T	370	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.040)	ND (1)	ND (0.038)	ND (1) U	ND (1) U
FLUORENE	ug/l	T	500	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.50)	ND (1)	ND (0.48)	ND (1) U	ND (1) U
HEXACHLOROBENZENE	ug/l	T	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
HEXACHLOROBUTADIENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (5) U	ND (5) U
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (1) U	ND (1) U
HEXACHLOROETHANE	ug/l	T	15	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
HEXACHLOROPROPYLENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
INDENO (1,2,3-CD) PYRENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.080)	ND (1)	ND (0.076)	ND (1) U	ND (1) U
ISODRIN	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)J	ND (1) U	ND (1) U
ISOPHORONE	ug/l	T	1700	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1) U	ND (1) U
ISOSAFROLE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (3) R	ND (3) R
METHAPYRILENE	ug/l	T	NA	<3 R	<3 R	<3 R	<3 R	<15 R	ND (3)J	<14 R	ND (1) U	ND (1) U
METHYL METHANESULFONATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
N-DIOCTYL PHTHALATE	ug/l	T	41	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSO(METHYL)ETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSO-DI-N-BUTYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
N-NITROSODI-N-PROPYLAMINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
N-NITROSODIETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSODIMETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSODIPHENYLAMINE	ug/l	T	300	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSOMORPHOLINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSOPIPERIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
N-NITROSOPYRROLIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
NAPHTHALENE	ug/l	T	140	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.6)	ND (1)	ND (1.5)	ND (1) U	ND (1) U
NITROBENZENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (59) R	ND (57) R
PARA-PHENYLENEDIAMINE	ug/l	T	NA	<58 R	<60 R	<58 R	<57 R	<60 R	<58 R	<56 R	ND (1) U	ND (1) U
PCN-2	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (2) U	ND (2) U
PENTACHLOROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
PENTACHLORONITROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3) U	ND (3) U
PENTACHLOROPHENOL	ug/l	T	1	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (2) U	ND (2) U
PHENACETIN	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
PHENANTHRENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.080)	ND (1)	ND (0.076)	ND (1) U	ND (1) U
PHENOL	ug/l	T	9400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	5	ND (1) U	ND (1) U

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			Sample ID	CRG-05-A	CRG-05-A	CRG-05-B	CRG-05-B	CRG-05-B	CRG-05-D	CRG-05-D	CRG-06-A	CRG-06-B
			Date	3/2/05	6/7/05	3/2/05	6/7/05	9/13/05	3/3/05	9/14/05	3/2/05	3/2/05
			Duplicate #	1	1	1	1	1	1	1	1	1
Analyte	**units**	**Tot/Dis**	**Criteria[1]**									
PRONAMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (30) U	ND (30) U
PROPIONITRILE	ug/l	T	NA	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (1) U	ND (1) U
PYRENE	ug/l	T	280	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.8)	ND (1)	ND (0.17)	ND (2) U	ND (2) U
PYRIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) U	ND (2) U
SAFROLE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) U	ND (1) U
TETRAETHYL DITHIOPYROPHOSPHATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)		
THIONAZIN	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	.14 J	.22 J
ANTIMONY	ug/l	D	6	2.1 J	.95 J	ND (.090)	ND (.064)	-	1.4 J	-		
ANTIMONY	ug/l	T	6	-	-	-	-	ND (.064)	-	.67 J		
ANTIMONY (Method 6020)	ug/l	D	6									
ANTIMONY (Method 6020)	ug/l	T	6					ND (.064)		.67 J		
ARSENIC (ICP method 6010B)	ug/l	D	10									
ARSENIC (ICP method 6010B)	ug/l	T	10	-	-	-	-	22	-	ND (9.3)		
ARSENIC (ICP/MS Method 6020)	ug/l	D	10									
ARSENIC (ICP/MS Method 6020)	ug/l	T	10					26.3		5.3		
ARSENIC (Graphite Furnace - 7060A)	ug/l	D	10	17.7	27.8	19.4	22.1	-	5.3	-	7.6	3.3 B
BARIUM	ug/l	D	2000	143	178	189	190	-	127	-	41.6	233
BARIUM	ug/l	T	2000	-	-	-	-	184	-	115	ND (.97) U	ND (.97) U
BERYLLIUM	ug/l	D	4	ND (.97)	ND (.44)	ND (.97)	ND (.44)	-	ND (.97)	-		
BERYLLIUM	ug/l	T	4	-	-	-	-	ND (.44)	-	ND (.44)	ND (.76) U	ND (.76) U
CADMIUM	ug/l	D	5	ND (.76)	ND (.97)	.80 J	ND (.97)	-	ND (.76)	-		
CADMIUM	ug/l	T	5	-	-	-	-	ND (.97)	-	ND (.97)	ND (2.5) U	ND (2.5) U
CHROMIUM	ug/l	D	100	ND (2.5)	ND (4.8)	ND (2.5)	ND (4.8)	-	ND (2.5)	-		
CHROMIUM	ug/l	T	100	-	-	-	-	ND (4.8)	-	ND (4.8)	ND (2.0) U	ND (2.0) U
COBALT	ug/l	D	317	ND (2.0)	ND (1.5)	ND (2.0)	2.1 J	-	ND (2.0)	-		
COBALT	ug/l	T	317	-	-	-	-	ND (1.5)	-	ND (1.5)	3.2 B	3.6 B
COPPER	ug/l	D	NA	ND (2.7)	ND (1.8)	ND (2.7)	ND (1.8)	-	ND (2.7)	-		
COPPER	ug/l	T	NA	-	-	-	-	ND (1.8)	-	ND (1.8)	ND (10.0) U	ND (10.0) U
LEAD	ug/l	D	15	ND (10.0)	ND (8.4)	ND (10.0)	ND (8.4)	-	ND (10.0)	-		
LEAD	ug/l	T	15	-	-	-	-	ND (8.4)	-	ND (8.4)	ND (.028) U	ND (.028) U
MERCURY	ug/l	D	2	ND (.028)	ND (.062)	ND (.028)	ND (.062)	-	ND (.028)	-		
MERCURY	ug/l	T	2	-	-	-	-	ND (.062)	-	ND (.062)	ND (3.1) U	ND (3.1) U
NICKEL	ug/l	D	100	ND (3.1)	ND (5.8)	ND (3.1)	ND (5.8)	-	ND (3.1)	-		
NICKEL	ug/l	T	100	-	-	-	-	ND (5.8)	-	ND (5.8)	2.4 J	ND (1.6) U
SELENIUM	ug/l	D	50	3.6 J	ND (8.0)	ND (1.6)	ND (1.6)	-	ND (1.6)	-		
SELENIUM	ug/l	T	50	-	-	-	-	ND (9.4)	-	ND (9.4)		
SELENIUM (Method 6020)	ug/l	D	50									
SELENIUM (Method 6020)	ug/l	T	50					1.5 J		1.0 B	ND (2.0) U	ND (2.0) U
SILVER	ug/l	D	78	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	-	ND (2.0)	-		
SILVER	ug/l	T	78	-	-	-	-	ND (2.0)	-	3.1 J	ND (1.3) U	ND (1.3) U
THALLIUM	ug/l	D	2	ND (1.3)J	ND (1.2)	ND (1.3)	ND (1.2)	-	ND (1.3)J	-		
THALLIUM	ug/l	T	2	-	-	-	-	12.6 J	-	ND (.032)		
THALLIUM (Method 6020)	ug/l	D	2									
THALLIUM (Method 6020)	ug/l	T	2					ND (.032)		ND (.032)	ND (5.0) U	ND (5.0) U
TIN	ug/l	D	NA	ND (5.0)	ND (9.8)	ND (5.0)	ND (9.8)	-	ND (5.0)	-		
TIN	ug/l	T	NA	-	-	-	-	ND (9.8)	-	ND (9.8)	ND (1.6) U	ND (1.6) U
VANADIUM	ug/l	D	140	ND (1.6)	ND (1.0)	ND (1.6)	ND (1.0)	-	ND (1.6)	-		
VANADIUM	ug/l	T	140	-	-	-	-	ND (1.0)	-	ND (1.0)	ND (4.8) U	ND (4.8) U
ZINC	ug/l	D	4700	ND (4.8)	ND (5.3)	ND (4.8)	ND (5.3)	-	ND (4.8)	-		
ZINC	ug/l	T	4700	-	-	-	-	ND (5.3)	-	18.9 B		
O-TOLUIDINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)		
DISSOLVED OXYGEN (FIELD)	ug/l	T	NA	-	2390	-	2070	210	-	1140		
PH (FIELD)	STD UNITS	T	NA	-	8.08	-	6.76	7.24	-	7.72		
REDOX (FIELD)	MV	T	NA	-	-91.9	-	-76.8	-78.1	-	-253.6		
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T	NA	-	1246	-	1232	1092	-	354		
TEMPERATURE (FIELD)	DEGREES C	T	NA	-	14.2	-	11.9	17.5	-	14.4		
TURBIDITY QUALITATIVE (FIELD)	NONE	T	NA	-	low	-	low	16.3	-	24.3		

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	CRG-06-B	CRG-06-B	CRG-07-A	CRG-07-A	CRG-07-A	CRG-07-B	CRG-07-B	CRG-07-B	CRG-08-A	CRG-08-A	CRG-08-B	CRG-08-B	CRG-08-B
			Date	6/7/05	9/13/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	3/2/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]													
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,1,1,2-TETRACHLOROETHANE	ug/l	T	44	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,1,1-TRICHLOROETHANE	ug/l	T	200	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,1,2,2-TETRACHLOROETHANE	ug/l	T	5.9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,1,2-TRICHLOROETHANE	ug/l	T	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,1-DICHLOROETHANE	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,1-DICHLOROETHENE	ug/l	T	7	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,2,3-TRICHLOROPROPANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/l	T	0.2	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
1,2-DIBROMOETHANE (EDB)	ug/l	T	0.05	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,2-DICHLOROETHANE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,2-DICHLOROPROPANE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,4-DIOXANE	ug/l	T	NA	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)J	ND (70)
2-HEXANONE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)
ACETONE	ug/l	T	1600	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)J	ND (6)
ACETONITRILE	ug/l	T	NA	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)J	ND (25)
ACROLEIN	ug/l	T	NA	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)J	ND (40)
ACRYLONITRILE	ug/l	T	NA	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)J	ND (4)
ALLYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
BENZENE	ug/l	T	5	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U
BROMODICHLOROMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
BROMOFORM	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CARBON DISULFIDE	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CARBON TETRACHLORIDE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CHLOROBENZENE	ug/l	T	100	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
CHLORODIBROMOMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CHLOROFORM	ug/l	T	NA	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
CHLOROPRENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CIS-1,2 DICHLOROETHENE	ug/l	T	70	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
CIS-1,3-DICHLOROPROPENE	ug/l	T	14	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
DICHLORODIFLUOROMETHANE	ug/l	T	1900	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
ETHYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
ETHYL METHACRYLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
ETHYLBENZENE	ug/l	T	700	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
IODOMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
ISOBUTYL ALCOHOL	ug/l	T	4700	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)J	ND (100)
METHACRYLONITRILE	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)J	ND (10)
METHYL BROMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYL ETHYL KETONE	ug/l	T	6800	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)
METHYL ISOBUTYL KETONE	ug/l	T	760	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)
METHYL METHACRYLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYLENE BROMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYLENE CHLORIDE	ug/l	T	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
PENTACHLOROETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
STYRENE	ug/l	T	100	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
TETRACHLOROETHYLENE	ug/l	T	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
TOLUENE	ug/l	T	1000	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)J	ND (0.7)
TRANS-1,2-DICHLOROETHENE	ug/l	T	100	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
TRANS-1,3-DICHLOROPROPENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
TRANS-1,4-DICHLOROBUTENE-2	ug/l	T	NA	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)J	ND (15)

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	CRG-06-B	CRG-06-B	CRG-07-A	CRG-07-A	CRG-07-A	CRG-07-B	CRG-07-B	CRG-07-B	CRG-08-A	CRG-08-A	CRG-08-B	CRG-08-B	CRG-08-B
			Date	6/7/05	9/13/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	3/2/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]													
TRICHLOROETHENE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
TRICHLOROFLUOROMETHANE	ug/l	T	3700	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
VINYL ACETATE	ug/l	T	8400	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
VINYL CHLORIDE	ug/l	T	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
XYLENES	ug/l	T	10000	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,2,4,5-TETRACHLOROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
1,2,4-TRICHLOROBENZENE	ug/l	T	70	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2-DICHLOROBENZENE	ug/l	T	600	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,3,5-TRINITROBENZENE	ug/l	T	470	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (7)	ND (5)	ND (5)	ND (5)
1,3-DICHLOROBENZENE	ug/l	T	13	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,3-DINITROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
1,4-DICHLOROBENZENE	ug/l	T	75	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,4-NAPHTHOQUINONE	ug/l	T	NA	ND (10)J	ND (10)	ND (10)J	ND (10)J	ND (10)J	ND (10)J	ND (10)J	ND (9)J	ND (10)J	ND (14)J	ND (10)J	ND (10)J	ND (10)J
1-METHYLNAPHTHALENE	ug/l	T	NA	-	ND (1)	-	-	ND (1)	-	-	ND (0.9)	-	-	-	-	ND (1)
1-NAPHTHYLAMINE	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (7)	ND (5)	ND (5)	ND (5)
2,3,4,6-TETRACHLOROPHENOL	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
2,4,5-TRICHLOROPHENOL	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4,6-TRICHLOROPHENOL	ug/l	T	120	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4-DICHLOROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4-DIMETHYLPHENOL	ug/l	T	310	ND (1)	ND (3)	ND (1)	ND (3)	ND (3)	ND (1)	ND (3)	ND (3)	ND (1)	ND (4)	ND (1)	ND (3)	ND (3)
2,4-DINITROPHENOL	ug/l	T	NA	ND (20)	ND (20)	ND (19)	ND (19)	ND (20)	ND (19)	ND (19)	ND (19)	ND (20)	ND (28)	ND (20)	ND (20)	ND (20)
2,4-DINITROTOLUENE	ug/l	T	32	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,6-DICHLOROPHENOL	ug/l	T	16	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
2,6-DINITROTOLUENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-ACETYLAMINOFLUORENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
2-CHLOROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-METHYLNAPHTHALENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-METHYLPHENOL (O-CRESOL)	ug/l	T	78	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-NAPHTHYLAMINE	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (7)	ND (5)	ND (5)	ND (5)
2-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-NITROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-PICOLINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
3,3'-DICHLOROBENZIDINE	ug/l	T	NA	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (1)	ND (2)	ND (2)	ND (1)	ND (3)	ND (1)	ND (2)	ND (2)
3,3'-DIMETHYLBENZIDINE	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (9)	ND (10)	ND (14)	ND (10)	ND (10)	ND (10)
3-METHYLCHOLANTHRENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
3-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (7)	ND (5)	ND (5)	ND (5)
4-AMINOBIPHENYL	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
4-BROMOPHENYL PHENYL ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-CHLORO-3-METHYLPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-CHLOROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-CHLOROPHENYL PHENYL ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-DIMETHYLAMINOAZOBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
4-METHYLPHENOL (P-CRESOL)	ug/l	T	78	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
4-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-NITROPHENOL	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (9)	ND (10)	ND (14)	ND (10)	ND (10)	ND (10)
4-NITROQUINOLINE-N-OXIDE	ug/l	T	NA	ND (20)	ND (20)	ND (19)	ND (19)	ND (20)J	ND (19)	ND (19)	ND (19)J	ND (20)	ND (28)	ND (20)	ND (20)	ND (20)J
5-NITRO-ORTHO-TOLUIDINE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (4)	ND (3)	ND (3)	ND (3)
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
ACENAPHTHENE	ug/l	T	680	ND (1)	ND (1.5)	ND (1)	ND (1)	ND (1.6)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.6)
ACENAPHTHYLENE	ug/l	T	NA	ND (1)	ND (1.5)	ND (1)	ND (1)	ND (1.6)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.6)
ACETOPHENONE	ug/l	T	1600	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
ANILINE	ug/l	T	49	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
ANTHRACENE	ug/l	T	2600	ND (1)	ND (0.038)	ND (1)	ND (1)	ND (0.039)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.041)
BENZO(A)ANTHRACENE	ug/l	T	NA	ND (1)	ND (0.019)	ND (1)	ND (1)	ND (0.019)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.020)

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	CRG-06-B	CRG-06-B	CRG-07-A	CRG-07-A	CRG-07-A	CRG-07-B	CRG-07-B	CRG-07-B	CRG-08-A	CRG-08-A	CRG-08-B	CRG-08-B	CRG-08-B
			Date	6/7/05	9/13/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	3/2/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]													
BENZO(B)FLUORANTHENE	ug/l	T	NA	ND (1)	ND (0.038)	ND (1)	ND (1)	ND (0.039)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.041)
BENZO(G,H,I)PERYLENE	ug/l	T	NA	ND (1)	<0.094 U	ND (1)	ND (1)	ND (0.097)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.10)
BENZO(K)FLUORANTHENE	ug/l	T	NA	ND (1)	ND (0.019)	ND (1)	ND (1)	ND (0.019)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.020)
BENZO[A]PYRENE	ug/l	T	0.2	ND (0.2)	ND (0.019)	ND (0.2)	ND (0.2)	ND (0.019)	ND (0.2)	ND (0.2)	ND (0.9)	ND (0.2)	ND (0.3)	ND (0.2)	ND (0.2)	ND (0.020)
BENZYL ALCOHOL	ug/l	T	NA	ND (11)	ND (11)	ND (5)	ND (11)	ND (11)	ND (5)	ND (11)	ND (10)	ND (5)	ND (15)	ND (5)	ND (11)	ND (11)
BIS(2-CHLOROETHOXY)METHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-CHLOROETHYL)ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
BUTYL BENZYL PHTHALATE	ug/l	T	2900	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
CARBAZOLE	ug/l	T	64	-	ND (1)	-	-	ND (1)	-	-	ND (0.9)	-	-	-	-	ND (1)
CHLOROBENZILATE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (4)	ND (3)	ND (3)	ND (3)
CHRYSENE	ug/l	T	47	ND (1)	ND (0.075)	ND (1)	ND (1)	ND (0.078	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.082)
DI-N-BUTYL PHTHALATE	ug/l	T	1400	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
DIALLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
DIBENZ(A,H)ANTHRACENE	ug/l	T	NA	ND (1)	ND (0.038)	ND (1)	ND (1)	ND (0.039)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.041)
DIBENZOFURAN	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
DIETHYL PHTHALATE	ug/l	T	13000	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
DIMETHOATE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (4)	ND (3)	ND (3)	ND (3)
DIMETHYL PHTHALATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
ETHYL METHANESULFONATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
FLUORANTHENE	ug/l	T	370	ND (1)	ND (0.038)	ND (1)	ND (1)	ND (0.039)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.041)
FLUORENE	ug/l	T	500	ND (1)	<0.47 U	ND (1)	ND (1)	ND (0.49)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.51)
HEXACHLOROBENZENE	ug/l	T	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
HEXACHLOROBUTADIENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (7)	ND (5)	ND (5)	ND (5)
HEXACHLOROETHANE	ug/l	T	15	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
HEXACHLOROPROPYLENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
INDENO (1,2,3-CD) PYRENE	ug/l	T	NA	ND (1)	ND (0.075)	ND (1)	ND (1)	ND (0.078	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.082)
ISODRIN	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (0.9)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J
ISOPHORONE	ug/l	T	1700	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
ISOSAFROLE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
METHAPYRILENE	ug/l	T	NA	<3 R	<15 R	<3 R	<14 R	<15 R	<3 R	<14 R	<14 R	<3 R	<21 R	<3 R	<15 R	<15 R
METHYL METHANESULFONATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
N-DIOCTYL PHTHALATE	ug/l	T	41	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSO(METHYL)ETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSO-DI-N-BUTYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSODI-N-PROPYLAMINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
N-NITROSODIETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSODIMETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSODIPHENYLAMINE	ug/l	T	300	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSOMORPHOLINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSOPIPERIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
N-NITROSOPYRROLIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
NAPHTHALENE	ug/l	T	140	ND (1)	ND (1.5)	ND (1)	ND (1)	ND (1.6)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.6)
NITROBENZENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
PARA-PHENYLENEDIAMINE	ug/l	T	NA	<59 R	<59 R	<57 R	<57 R	<59 R	<58 R	<58 R	<56 R	<59 R	<84 R	<60 R	<59 R	<59 R
PCN-2	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
PENTACHLOROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
PENTACHLORONITROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
PENTACHLOROPHENOL	ug/l	T	1	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (4)	ND (3)	ND (3)	ND (3)
PHENACETIN	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
PHENANTHRENE	ug/l	T	NA	ND (1)	ND (0.075)	ND (1)	ND (1)	ND (0.078	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.082)
PHENOL	ug/l	T	9400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	CRG-06-B	CRG-06-B	CRG-07-A	CRG-07-A	CRG-07-A	CRG-07-B	CRG-07-B	CRG-07-B	CRG-08-A	CRG-08-A	CRG-08-B	CRG-08-B	CRG-08-B
			Date	6/7/05	9/13/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	9/14/05	3/2/05	6/8/05	3/2/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]													
PRONAMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
PROPIONITRILE	ug/l	T	NA	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)J	ND (30)
PYRENE	ug/l	T	280	ND (1)	ND (0.17)	ND (1)	ND (1)	ND (0.8)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.8)
PYRIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
SAFROLE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
TETRAETHYL DITHIOPYROPHOSPHATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
THIONAZIN	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	ND (2)	ND (2)
ANTIMONY	ug/l	D	6	.28 B	-	ND (.90)	.073 B	-	ND (.90)	.11 B	ND (6.4)	ND (.90)	-	ND (.90)	.18 B	ND (6.4)
ANTIMONY	ug/l	T	6	-	ND (6.4)	-	-	.12 B	-	-	ND (6.4)	-	-	-	-	ND (6.4)
ANTIMONY (Method 6020)	ug/l	D	6								.13 B					.43 B
ANTIMONY (Method 6020)	ug/l	T	6		.20 B			.12 B			.12 B					.33 B
ARSENIC (ICP method 6010B)	ug/l	D	10								ND (9.3)					12.8
ARSENIC (ICP method 6010B)	ug/l	T	10	-	ND (9.3)	-	-	ND (9.3)	-	-	ND (9.3)	-	-	-	-	16.8 J
ARSENIC (ICP/MS Method 6020)	ug/l	D	10								.99 J					16.1
ARSENIC (ICP/MS Method 6020)	ug/l	T	10		4.2			1.1 J			1.0 J					19.1
ARSENIC (Graphite Furnace - 7060A)	ug/l	D	10	16.6	-	ND (.85)	2.8 J	-	2.7 B	3.7 J		ND (.85)	-	22.2	18.8	
BARIUM	ug/l	D	2000	289	-	89.1	88.5	-	54.9	56	49.6	21.5	-	329	275	265
BARIUM	ug/l	T	2000	-	238	-	-	96.7	-	-	51.1	-	-	-	-	273
BERYLLIUM	ug/l	D	4	.45 J	-	ND (.97)	ND (.44)	-	ND (.97)	ND (.44)	ND (.44)	ND (.97)	-	ND (.97)	ND (.44)	ND (.44)
BERYLLIUM	ug/l	T	4	-	ND (.44)	-	-	ND (.44)	-	-	ND (.44)	-	-	-	-	ND (.44)
CADMIUM	ug/l	D	5	ND (.97)	-	ND (.76)	ND (.97)	-	ND (.76)	ND (.97)	ND (.97)	ND (.76)	-	ND (.76)	ND (.97)	ND (.97)
CADMIUM	ug/l	T	5	-	ND (.97)	-	-	ND (.97)	-	-	ND (.97)	-	-	-	-	ND (.97)
CHROMIUM	ug/l	D	100	9.8 J	-	ND (2.5)	ND (4.8)	-	59	ND (4.8)	ND (4.8)	ND (2.5)	-	ND (2.5)	ND (4.8)	ND (4.8)
CHROMIUM	ug/l	T	100	-	ND (4.8)	-	-	ND (4.8)	-	-	ND (4.8)	-	-	-	-	ND (4.8)
COBALT	ug/l	D	317	5.6	-	2.7 J	ND (1.5)	-	ND (2.0)	ND (1.5)	ND (1.5)	ND (2.0)	-	ND (2.0)	ND (1.5)	ND (1.5)
COBALT	ug/l	T	317	-	ND (1.5)	-	-	ND (1.5)	-	-	ND (1.5)	-	-	-	-	ND (1.5)
COPPER	ug/l	D	NA	11.9	-	ND (2.7)	ND (1.8)	-	ND (2.7)	ND (1.8)	ND (1.8)	ND (2.7)	-	ND (2.7)	ND (1.8)	ND (1.8)
COPPER	ug/l	T	NA	-	ND (1.8)	-	-	ND (1.8)	-	-	ND (1.8)	-	-	-	-	ND (1.8)
LEAD	ug/l	D	15	11.1 J	-	ND (10.0)	ND (8.4)	-	ND (10.0)	ND (8.4)	ND (8.4)	ND (10.0)	-	ND (10.0)	ND (8.4)	ND (8.4)
LEAD	ug/l	T	15	-	ND (8.4)	-	-	ND (8.4)	-	-	ND (8.4)	-	-	-	-	ND (8.4)
MERCURY	ug/l	D	2	.065 J	-	ND (.028)	ND (.062)	-	ND (.028)	ND (.062)	ND (.062)	ND (.028)	-	ND (.028)	ND (.062)	ND (.062)
MERCURY	ug/l	T	2	-	ND (.062)	-	-	ND (.062)	-	-	ND (.062)	-	-	-	-	ND (.062)
NICKEL	ug/l	D	100	13	-	8.4 J	ND (5.8)	-	28	ND (5.8)	ND (5.8)	ND (3.1)	-	ND (3.1)	ND (5.8)	ND (5.8)
NICKEL	ug/l	T	100	-	ND (5.8)	-	-	ND (5.8)	-	-	ND (5.8)	-	-	-	-	ND (5.8)
SELENIUM	ug/l	D	50	ND (16.0)	-	ND (1.6)	ND (8.0)	-	1.8 J	ND (8.0)	1.1 B	ND (1.6)	-	ND (1.6)	ND (8.0)	ND (9.4)
SELENIUM	ug/l	T	50	-	ND (9.4)	-	-	ND (9.4)	-	-	ND (9.4)	-	-	-	-	.70 B
SELENIUM (Method 6020)	ug/l	D	50								1.1 B					ND (.57)
SELENIUM (Method 6020)	ug/l	T	50		.93 J			1.7 B			1.2 B					ND (.57)
SILVER	ug/l	D	78	ND (2.0)	-	ND (2.0)	ND (2.0)	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	-	ND (2.0)	ND (2.0)	ND (2.0)
SILVER	ug/l	T	78	-	ND (2.0)	-	-	ND (2.0)	-	-	ND (2.0)	-	-	-	-	ND (2.0)
THALLIUM	ug/l	D	2	ND (1.2)	-	ND (1.3)J	ND (1.2)	-	ND (1.3)J	ND (1.2)	.040 J	ND (1.3)J	-	ND (1.3)J	ND (1.2)	.048 J
THALLIUM	ug/l	T	2	-	.032 J	-	-	ND (10.0)	-	-	ND (10.0)	-	-	-	-	ND (10.0)
THALLIUM (Method 6020)	ug/l	D	2								.040 J					.048 J
THALLIUM (Method 6020)	ug/l	T	2		.032 J			.035 J			.039 J					.062 J
TIN	ug/l	D	NA	ND (9.8)	-	ND (5.0)	ND (9.8)	-	ND (5.0)	ND (9.8)	ND (9.8)	ND (5.0)	-	ND (5.0)	ND (9.8)	ND (9.8)
TIN	ug/l	T	NA	-	ND (9.8)	-	-	ND (9.8)	-	-	ND (9.8)	-	-	-	-	ND (9.8)
VANADIUM	ug/l	D	140	11.8	-	ND (1.6)	ND (1.0)	-	ND (1.6)	1.2 J	ND (1.0)	ND (1.6)	-	ND (1.6)	ND (1.0)	ND (1.0)
VANADIUM	ug/l	T	140	-	ND (1.0)	-	-	ND (1.0)	-	-	ND (1.0)	-	-	-	-	ND (1.0)
ZINC	ug/l	D	4700	32.7	-	ND (4.8)	ND (5.3)	-	ND (4.8)	ND (5.3)	ND (5.3)	ND (4.8)	-	ND (4.8)	ND (5.3)	ND (5.3)
ZINC	ug/l	T	4700	-	ND (5.3)	-	-	ND (5.3)	-	-	ND (5.3)	-	-	-	-	ND (5.3)
O-TOLUIDINE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
DISSOLVED OXYGEN (FIELD)	ug/l	T	NA	3140	1010	-	2070	570	-	1620	2000	-	2710	-	3050	290
PH (FIELD)	STD UNITS	T	NA	7.07	7.86	-	7.34	7.3	-	7.55	7.52	-	7.25	-	7.59	8.13
REDOX (FIELD)	MV	T	NA	69.7	0.9	-	389.9	312.4	-	370.2	140.1	-	325.7	-	260.9	173.9
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T	NA	736	628	-	1143	947	-	993	795	-	510	-	665	562
TEMPERATURE (FIELD)	DEGREES C	T	NA	11.1	15.4	-	12.7	17.9	-	11.5	15	-	14.1	-	11.8	15.2
TURBIDITY QUALITATIVE (FIELD)	NONE	T	NA	low	8.6	-	low	1.8	-	low	3.7	-	low	-	low	8.5

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	FBLK-2	FBLK-3	FBLK-1	FBLK-1	FBLK-2	FBLK-2	TBLK-A	TBLK-B	TBLK-A	TBLK-A	TBLK-B	TBLK-B
			Date	3/2/05	3/3/05	6/7/05	9/13/05	6/8/05	9/14/05	3/2/05	3/1/05	6/7/05	9/13/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]												
BIS(2-CHLOROISOPROPYL)ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
1,1,1,2-TETRACHLOROETHANE	ug/l	T	44	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,1,1-TRICHLOROETHANE	ug/l	T	200	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,1,2,2-TETRACHLOROETHANE	ug/l	T	5.9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,1,2-TRICHLOROETHANE	ug/l	T	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,1-DICHLOROETHANE	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,1-DICHLOROETHENE	ug/l	T	7	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,2,3-TRICHLOROPROPANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,2-DIBROMO-3-CHLOROPROPANE	ug/l	T	0.2	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
1,2-DIBROMOETHANE (EDB)	ug/l	T	0.05	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,2-DICHLOROETHANE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,2-DICHLOROPROPANE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
1,4-DIOXANE	ug/l	T	NA	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)J	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)	ND (70)J	ND (70)
2-HEXANONE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)
ACETONE	ug/l	T	1600	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)J	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)J	ND (6)
ACETONITRILE	ug/l	T	NA	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)J	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)J	ND (25)
ACROLEIN	ug/l	T	NA	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)J	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)J	ND (40)
ACRYLONITRILE	ug/l	T	NA	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)J	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)J	ND (4)
ALLYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
BENZENE	ug/l	T	5	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U	ND (0.5)U
BROMODICHLOROMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
BROMOFORM	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CARBON DISULFIDE	ug/l	T	1400	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CARBON TETRACHLORIDE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CHLOROBENZENE	ug/l	T	100	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
CHLORODIBROMOMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CHLOROFORM	ug/l	T	NA	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
CHLOROPRENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
CIS-1,2 DICHLOROETHENE	ug/l	T	70	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
CIS-1,3-DICHLOROPROPENE	ug/l	T	14	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
DICHLORODIFLUOROMETHANE	ug/l	T	1900	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
ETHYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
ETHYL METHACRYLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
ETHYLBENZENE	ug/l	T	700	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
IODOMETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
ISOBUTYL ALCOHOL	ug/l	T	4700	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)J	ND (100)
METHACRYLONITRILE	ug/l	T	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)J	ND (10)
METHYL BROMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYL CHLORIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYL ETHYL KETONE	ug/l	T	6800	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)
METHYL ISOBUTYL KETONE	ug/l	T	760	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)J	ND (3)
METHYL METHACRYLATE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYLENE BROMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
METHYLENE CHLORIDE	ug/l	T	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
PENTACHLOROETHANE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
STYRENE	ug/l	T	100	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
TETRACHLOROETHYLENE	ug/l	T	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
TOLUENE	ug/l	T	1000	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)J	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)J	ND (0.7)
TRANS-1,2-DICHLOROETHENE	ug/l	T	100	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
TRANS-1,3-DICHLOROPROPENE	ug/l	T	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
TRANS-1,4-DICHLOROBUTENE-2	ug/l	T	NA	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)J	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)J	ND (15)

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

			Sample ID	FBLK-2	FBLK-3	FBLK-1	FBLK-1	FBLK-2	FBLK-2	TBLK-A	TBLK-B	TBLK-A	TBLK-A	TBLK-B	TBLK-B
			Date	3/2/05	3/3/05	6/7/05	9/13/05	6/8/05	9/14/05	3/2/05	3/1/05	6/7/05	9/13/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]												
TRICHLOROETHENE	ug/l	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
TRICHLOROFLUOROMETHANE	ug/l	T	3700	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
VINYL ACETATE	ug/l	T	8400	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)
VINYL CHLORIDE	ug/l	T	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND (1)
XYLENES	ug/l	T	10000	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)J	ND (0.8)
1,2,4,5-TETRACHLOROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
1,2,4-TRICHLOROBENZENE	ug/l	T	70	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
1,2-DICHLOROBENZENE	ug/l	T	600	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
1,3,5-TRINITROBENZENE	ug/l	T	470	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
1,3-DICHLOROBENZENE	ug/l	T	13	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
1,3-DINITROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
1,4-DICHLOROBENZENE	ug/l	T	75	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
1,4-NAPHTHOQUINONE	ug/l	T	NA	ND (10)J	ND (10)J	ND (9)J	ND (10)	ND (10)J	ND (10)J	-	-	-	-	-	-
1-METHYLNAPHTHALENE	ug/l	T	NA	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-
1-NAPHTHYLAMINE	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
2,3,4,6-TETRACHLOROPHENOL	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
2,4,5-TRICHLOROPHENOL	ug/l	T	1400	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2,4,6-TRICHLOROPHENOL	ug/l	T	120	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2,4-DICHLOROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2,4-DIMETHYLPHENOL	ug/l	T	310	ND (1)	ND (1)	ND (0.9)	ND (3)	ND (3)	ND (3)	-	-	-	-	-	-
2,4-DINITROPHENOL	ug/l	T	NA	ND (19)	ND (20)	ND (19)	ND (20)	ND (19)	ND (19)	-	-	-	-	-	-
2,4-DINITROTOLUENE	ug/l	T	32	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2,6-DICHLOROPHENOL	ug/l	T	16	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
2,6-DINITROTOLUENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2-ACETYLAMINOFLUORENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
2-CHLOROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2-METHYLNAPHTHALENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2-METHYLPHENOL (O-CRESOL)	ug/l	T	78	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2-NAPHTHYLAMINE	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
2-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2-NITROPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
2-PICOLINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
3,3'-DICHLOROBENZIDINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
3,3'-DIMETHYLBENZIDINE	ug/l	T	NA	ND (10)	ND (10)	ND (9)	ND (10)	ND (10)	ND (10)	-	-	-	-	-	-
3-METHYLCHOLANTHRENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
3-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
4-AMINOBIPHENYL	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
4-BROMOPHENYL PHENYL ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
4-CHLORO-3-METHYLPHENOL	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
4-CHLOROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
4-CHLOROPHENYL PHENYL ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
4-DIMETHYLAMINOAZOBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
4-METHYLPHENOL (P-CRESOL)	ug/l	T	78	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
4-NITROANILINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
4-NITROPHENOL	ug/l	T	NA	ND (10)	ND (10)	ND (9)	ND (10)	ND (10)	ND (10)	-	-	-	-	-	-
4-NITROQUINOLINE-N-OXIDE	ug/l	T	NA	ND (19)	ND (20)	ND (19)	ND (20)	ND (19)	ND (19)J	-	-	-	-	-	-
5-NITRO-ORTHO-TOLUIDINE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	-	-	-	-	-	-
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
ACENAPHTHENE	ug/l	T	680	ND (1)	ND (1)	ND (0.9)	ND (1.5)	ND (1)	ND (1.6)	-	-	-	-	-	-
ACENAPHTHYLENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1.5)	ND (1)	ND (1.6)	-	-	-	-	-	-
ACETOPHENONE	ug/l	T	1600	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
ANILINE	ug/l	T	49	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
ANTHRACENE	ug/l	T	2600	ND (1)	ND (1)	ND (0.9)	ND (0.038)	ND (1)	ND (0.039)	-	-	-	-	-	-
BENZO(A)ANTHRACENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.019)	ND (1)	ND (0.019)	-	-	-	-	-	-

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			Sample ID	FBLK-2	FBLK-3	FBLK-1	FBLK-1	FBLK-2	FBLK-2	TBLK-A	TBLK-B	TBLK-A	TBLK-A	TBLK-B	TBLK-B
			Date	3/2/05	3/3/05	6/7/05	9/13/05	6/8/05	9/14/05	3/2/05	3/1/05	6/7/05	9/13/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]												
BENZO(B)FLUORANTHENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.038)	ND (1)	ND (0.039)	-	-	-	-	-	-
BENZO(G,H,I)PERYLENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.096)	ND (1)	ND (0.097)	-	-	-	-	-	-
BENZO(K)FLUORANTHENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.019)	ND (1)	ND (0.019)	-	-	-	-	-	-
BENZO[A]PYRENE	ug/l	T	0.2	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.019)	ND (0.2)	ND (0.019)	-	-	-	-	-	-
BENZYL ALCOHOL	ug/l	T	NA	ND (5)	ND (5)	ND (11)	ND (11)	ND (11)	ND (10)	-	-	-	-	-	-
BIS(2-CHLOROETHOXY)METHANE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
BIS(2-CHLOROETHYL)ETHER	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
BUTYL BENZYL PHTHALATE	ug/l	T	2900	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
CARBAZOLE	ug/l	T	64	-	-	-	ND (1)	-	ND (1)	-	-	-	-	-	-
CHLOROBENZILATE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	-	-	-	-	-	-
CHRYSENE	ug/l	T	47	ND (1)	ND (1)	ND (0.9)	ND (0.076)	ND (1)	ND (0.078	-	-	-	-	-	-
DI-N-BUTYL PHTHALATE	ug/l	T	1400	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
DIALLATE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
DIBENZ(A,H)ANTHRACENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.038)	ND (1)	ND (0.039)	-	-	-	-	-	-
DIBENZOFURAN	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
DIETHYL PHTHALATE	ug/l	T	13000	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
DIMETHOATE	ug/l	T	NA	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	-	-	-	-	-	-
DIMETHYL PHTHALATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
ETHYL METHANESULFONATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
FLUORANTHENE	ug/l	T	370	ND (1)	ND (1)	ND (0.9)	ND (0.038)	ND (1)	ND (0.039)	-	-	-	-	-	-
FLUORENE	ug/l	T	500	ND (1)	ND (1)	ND (0.9)	ND (0.48)	ND (1)	ND (0.48)	-	-	-	-	-	-
HEXACHLOROBENZENE	ug/l	T	1	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
HEXACHLOROBUTADIENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
HEXACHLOROETHANE	ug/l	T	15	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
HEXACHLOROPROPYLENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
INDENO (1,2,3-CD) PYRENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.076)	ND (1)	ND (0.078	-	-	-	-	-	-
ISODRIN	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)J	-	-	-	-	-	-
ISOPHORONE	ug/l	T	1700	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
ISOSAFROLE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
METHAPYRILENE	ug/l	T	NA	<3 R	ND (3)J	<3 R	<15 R	<14 R	<14 R	-	-	-	-	-	-
METHYL METHANESULFONATE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
N-DIOCTYL PHTHALATE	ug/l	T	41	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSO(METHYL)ETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSO-DI-N-BUTYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSODI-N-PROPYLAMINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
N-NITROSODIETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSODIMETHYLAMINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSODIPHENYLAMINE	ug/l	T	300	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSOMORPHOLINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSOPIPERIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
N-NITROSOPYRROLIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
NAPHTHALENE	ug/l	T	140	ND (1)	ND (1)	ND (0.9)	ND (1.5)	ND (1)	ND (1.6)	-	-	-	-	-	-
NITROBENZENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
PARA-PHENYLENEDIAMINE	ug/l	T	NA	<58 R	<59 R	<57 R	<60 R	<58 R	<57 R	-	-	-	-	-	-
PCN-2	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
PENTACHLOROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
PENTACHLORONITROBENZENE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
PENTACHLOROPHENOL	ug/l	T	1	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	-	-	-	-	-	-
PHENACETIN	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
PHENANTHRENE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (0.076)	ND (1)	ND (0.078	-	-	-	-	-	-
PHENOL	ug/l	T	9400	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-

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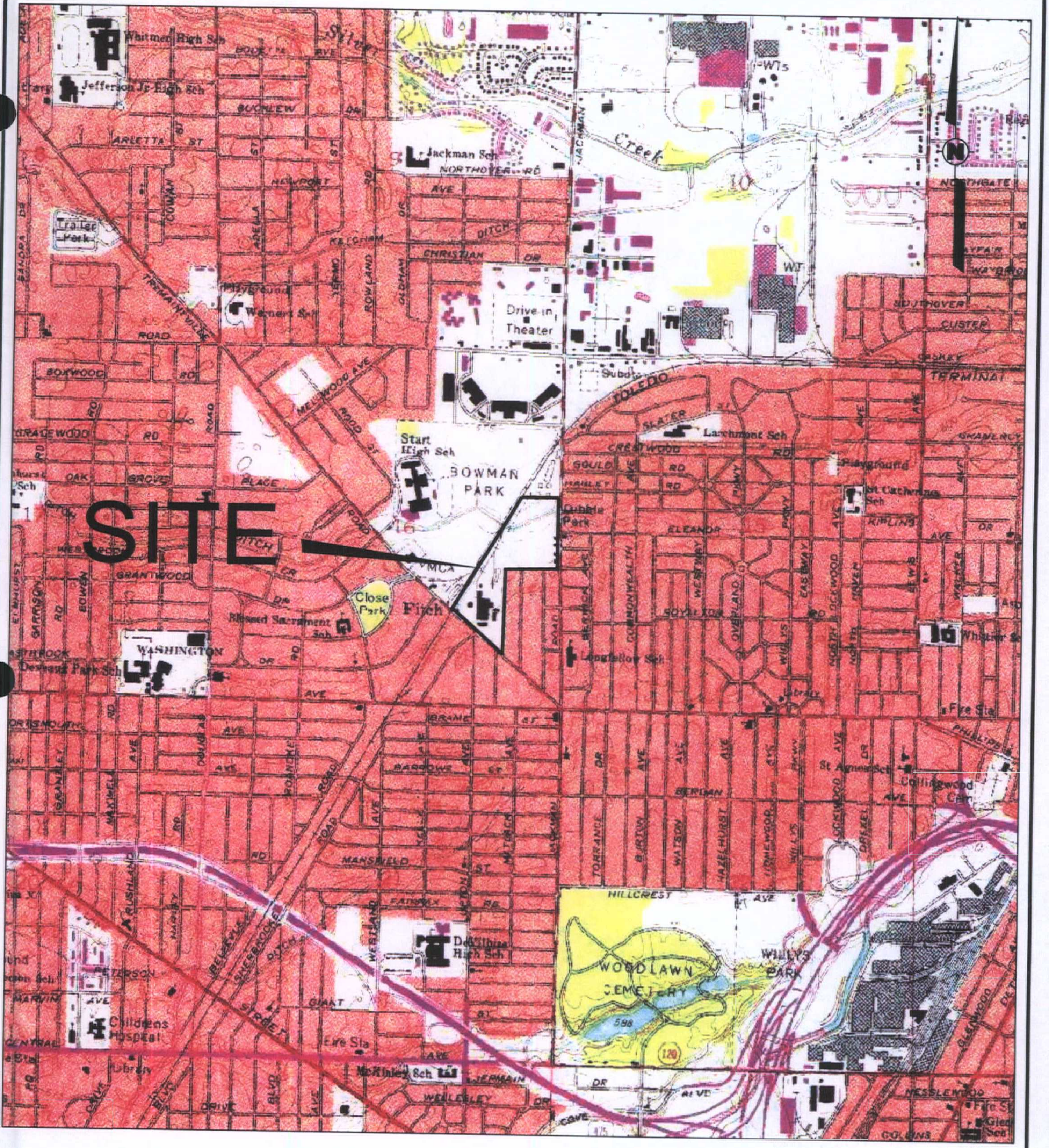
			Sample ID	FBLK-2	FBLK-3	FBLK-1	FBLK-1	FBLK-2	FBLK-2	TBLK-A	TBLK-B	TBLK-A	TBLK-A	TBLK-B	TBLK-B
			Date	3/2/05	3/3/05	6/7/05	9/13/05	6/8/05	9/14/05	3/2/05	3/1/05	6/7/05	9/13/05	6/8/05	9/14/05
			Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1
Analyte	units	Tot/Dis	Criteria[1]												
PRONAMIDE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
PROPIONITRILE	ug/l	T	NA	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)J	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)J	ND (30)
PYRENE	ug/l	T	280	ND (1)	ND (1)	ND (0.9)	ND (0.17)	ND (1)	ND (0.17)	-	-	-	-	-	-
PYRIDINE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
SAFROLE	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
TETRAETHYL DITHIOPYROPHOSPHATE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
THIONAZIN	ug/l	T	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-
ANTIMONY	ug/l	D	6	ND (.090)	ND (.090)	ND (.064)	ND (6.4)	ND (.064)	ND (6.4)	-	-	-	-	-	-
ANTIMONY	ug/l	T	6	-	-	-	.083 J	-	ND (6.4)	-	-	-	-	-	-
ANTIMONY (Method 6020)	ug/l	D	6												
ANTIMONY (Method 6020)	ug/l	T	6												
ARSENIC (ICP method 6010B)	ug/l	D	10												
ARSENIC (ICP method 6010B)	ug/l	T	10	-	-	-	ND (9.3)	-	ND (.66)	-	-	-	-	-	-
ARSENIC (ICP/MS Method 6020)	ug/l	D	10												
ARSENIC (ICP/MS Method 6020)	ug/l	T	10												
ARSENIC (Graphite Furnace - 7060A)	ug/l	D	10	1.1 J	ND (.85)	ND (2.1)	ND (.66)	ND (2.1)	ND (9.3)	-	-	-	-	-	-
BARIUM	ug/l	D	2000	<.45 U	.89 J	.54 J	ND (.44)	.44 J	ND (.44)	-	-	-	-	-	-
BARIUM	ug/l	T	2000	-	-	-	ND (.44)	-	ND (.44)	-	-	-	-	-	-
BERYLLIUM	ug/l	D	4	ND (.97)	ND (.97)	ND (.44)	ND (.44)	ND (.44)	ND (.44)	-	-	-	-	-	-
BERYLLIUM	ug/l	T	4	-	-	-	ND (.44)	-	ND (.44)	-	-	-	-	-	-
CADMIUM	ug/l	D	5	ND (.76)	ND (.76)	ND (.97)	ND (.97)	ND (.97)	ND (.97)	-	-	-	-	-	-
CADMIUM	ug/l	T	5	-	-	-	ND (.97)	-	ND (.97)	-	-	-	-	-	-
CHROMIUM	ug/l	D	100	ND (2.5)	ND (2.5)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	-	-	-	-	-	-
CHROMIUM	ug/l	T	100	-	-	-	ND (4.8)	-	ND (4.8)	-	-	-	-	-	-
COBALT	ug/l	D	317	ND (2.0)	ND (2.0)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	-	-	-	-	-	-
COBALT	ug/l	T	317	-	-	-	ND (1.5)	-	ND (1.5)	-	-	-	-	-	-
COPPER	ug/l	D	NA	ND (2.7)	3.7 J	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	-	-	-	-	-	-
COPPER	ug/l	T	NA	-	-	-	ND (1.8)	-	ND (1.8)	-	-	-	-	-	-
LEAD	ug/l	D	15	ND (10.0)	ND (10.0)	ND (8.4)	ND (8.4)	ND (8.4)	ND (8.4)	-	-	-	-	-	-
LEAD	ug/l	T	15	-	-	-	ND (8.4)	-	ND (8.4)	-	-	-	-	-	-
MERCURY	ug/l	D	2	ND (.028)	ND (.028)	ND (.062)	ND (.062)	ND (.062)	ND (.062)	-	-	-	-	-	-
MERCURY	ug/l	T	2	-	-	-	ND (.062)	-	ND (.062)	-	-	-	-	-	-
NICKEL	ug/l	D	100	ND (3.1)	ND (3.1)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	-	-	-	-	-	-
NICKEL	ug/l	T	100	-	-	-	ND (5.8)	-	ND (5.8)	-	-	-	-	-	-
SELENIUM	ug/l	D	50	ND (1.6)	ND (1.6)	ND (1.6)J	ND (.57)	ND (1.6)J	ND (.57)	-	-	-	-	-	-
SELENIUM	ug/l	T	50	-	-	-	ND (9.4)	-	ND (.57)	-	-	-	-	-	-
SELENIUM (Method 6020)	ug/l	D	50												
SELENIUM (Method 6020)	ug/l	T	50												
SILVER	ug/l	D	78	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	-	-	-	-	-	-
SILVER	ug/l	T	78	-	-	-	ND (2.0)	-	ND (2.0)	-	-	-	-	-	-
THALLIUM	ug/l	D	2	ND (1.3)J	ND (1.3)	ND (1.2)J	ND (.032)	ND (1.2)J	ND (.032)	-	-	-	-	-	-
THALLIUM	ug/l	T	2	-	-	-	ND (10.0)	-	ND (10.0)	-	-	-	-	-	-
THALLIUM (Method 6020)	ug/l	D	2												
THALLIUM (Method 6020)	ug/l	T	2												
TIN	ug/l	D	NA	ND (5.0)	ND (5.0)	ND (9.8)	ND (9.8)	ND (9.8)	ND (9.8)	-	-	-	-	-	-
TIN	ug/l	T	NA	-	-	-	ND (9.8)	-	ND (9.8)	-	-	-	-	-	-
VANADIUM	ug/l	D	140	ND (1.6)	ND (1.6)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	-	-	-	-	-	-
VANADIUM	ug/l	T	140	-	-	-	ND (1.0)	-	ND (1.0)	-	-	-	-	-	-
ZINC	ug/l	D	4700	ND (4.8)	ND (4.8)	ND (5.3)	5.6 J	ND (5.3)	7.5 J	-	-	-	-	-	-
ZINC	ug/l	T	4700	-	-	-	ND (5.3)	-	ND (5.3)	-	-	-	-	-	-
O-TOLUIDINE	ug/l	T	NA	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-
DISSOLVED OXYGEN (FIELD)	ug/l	T	NA	-	-	-	-	-	-	-	-	-	-	-	-
PH (FIELD)	STD UNITS	T	NA	-	-	-	-	-	-	-	-	-	-	-	-
REDOX (FIELD)	MV	T	NA	-	-	-	-	-	-	-	-	-	-	-	-
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T	NA	-	-	-	-	-	-	-	-	-	-	-	-
TEMPERATURE (FIELD)	DEGREES C	T	NA	-	-	-	-	-	-	-	-	-	-	-	-
TURBIDITY QUALITATIVE (FIELD)	NONE	T	NA	-	-	-	-	-	-	-	-	-	-	-	-

1 = OEPA Generic Unrestricted Potable Use (10/02); NA = Not Available; ND/UJ = Not Detected; J = Est. Conc; R = Rejected Data; B = Conc. greater than method blank; Yellow = Conc. exceeding criteria; Gray = Detection limit above criteria.

FIGURES



SCALE

2000 0 2000 FT

DUPONT

Corporate Remediation Group

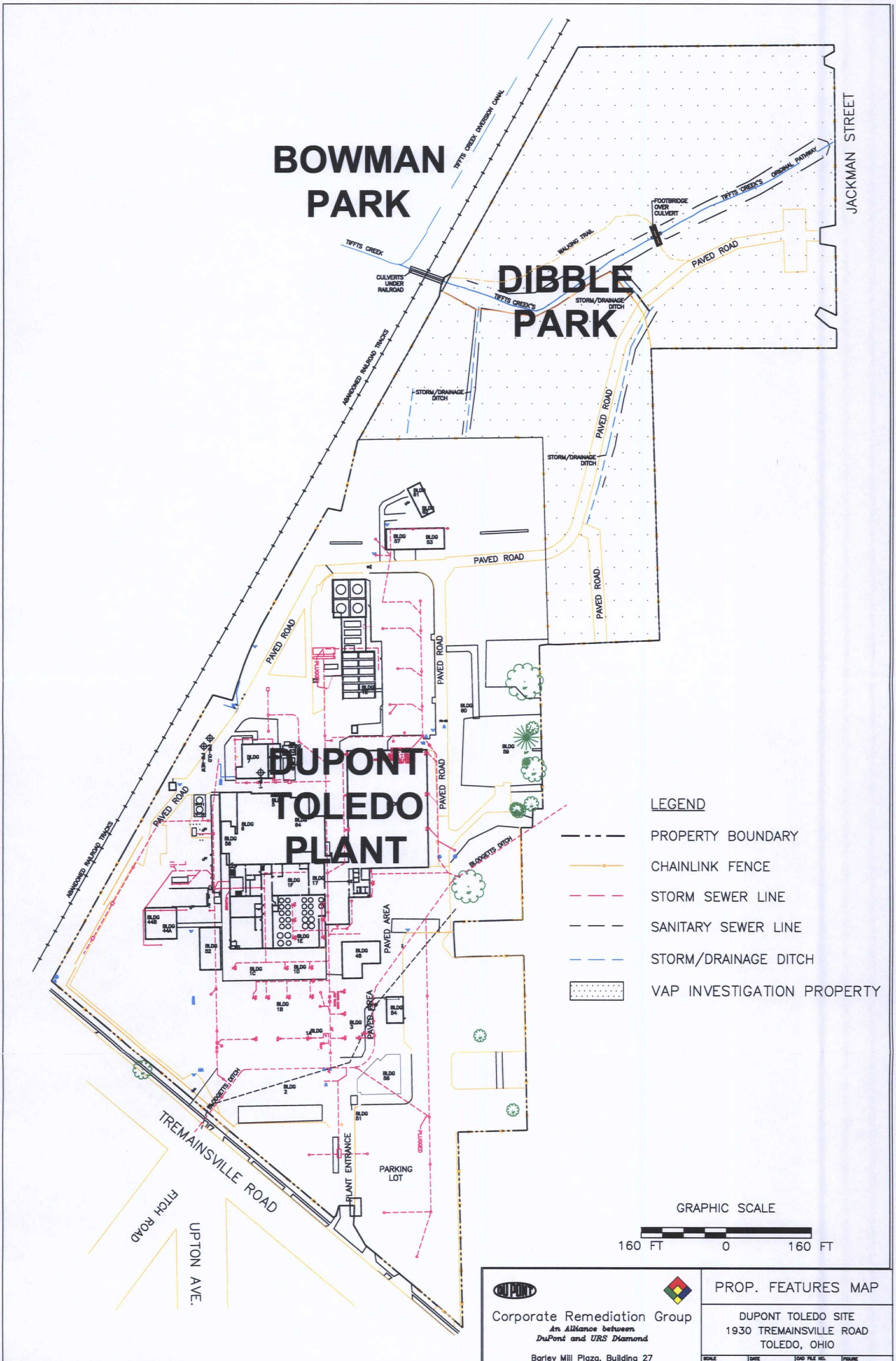
An Alliance between DuPont and URS Diamond

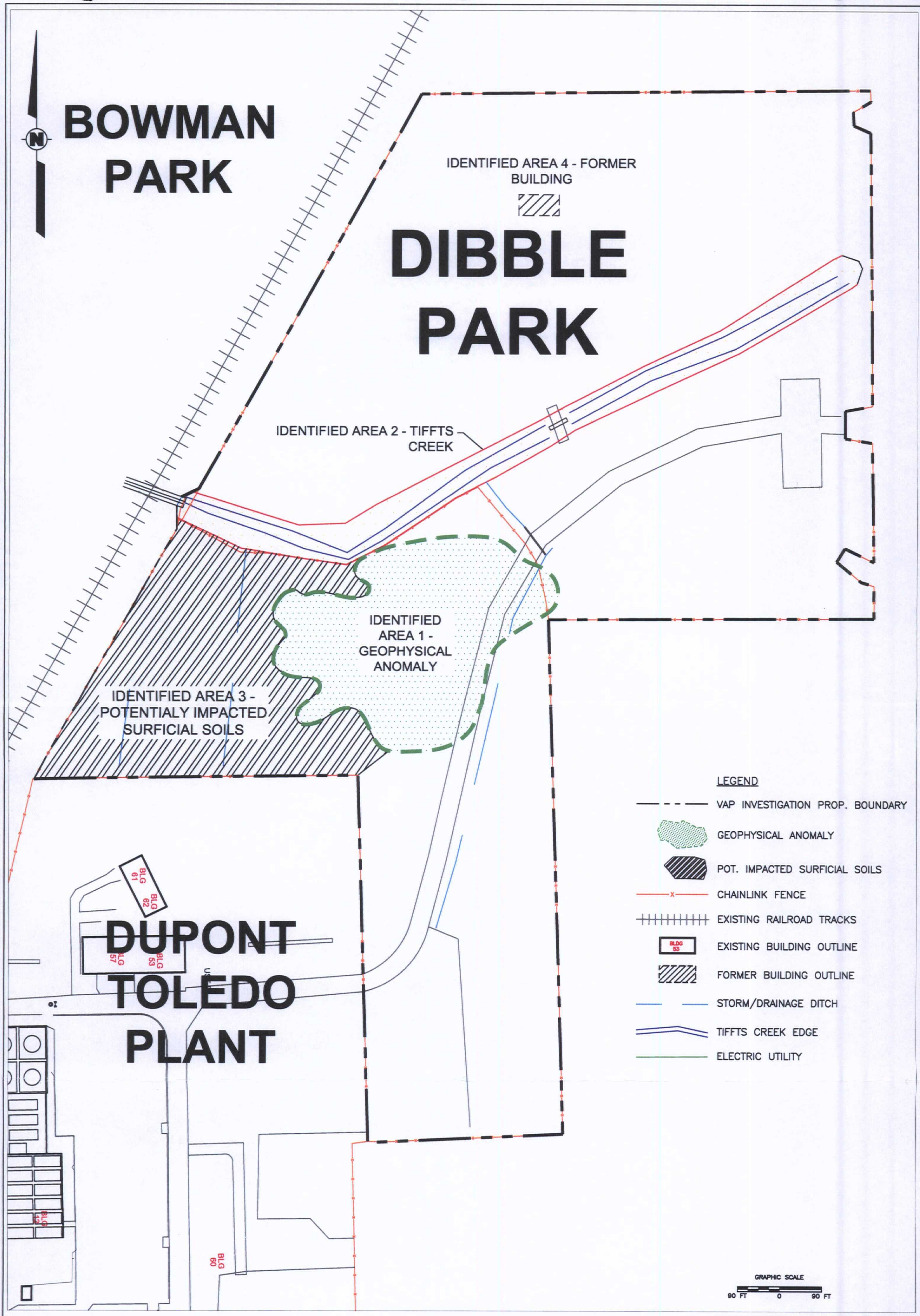
Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

SITE LOCATION MAP

DuPONT TOLEDO FACILITY
TOLEDO, OHIO

SCALE	DESIGNED	DRAWN	CAD FILE NO.
1" = 2000'	K. JABLOW	D.H. ENGLISH	Toledo_Site_Map
DATE	CHECKED	APPROVED	FIGURE
09/30/2005	K.P. JOHNSON		1


BOWMAN PARK
DIBBLE PARK
DUPONT TOLEDO PLANT
JACKMAN STREET
TREMAINSVILLE ROAD
FITCH ROAD
UPTON AVE.
TIFFTS CREEK DIVERSION CANAL
TIFFTS CREEK
CULVERTS UNDER RAILROAD
ABANDONED RAILROAD TRACKS
TIFFTS CREEK'S ORIGINAL PATHWAY
FOOTBRIDGE OVER CULVERT
WALKING TRAIL
STORM/DRAINAGE DITCH
PAVED ROAD
PAVED AREA
BLODGETTS DITCH
PLANT ENTRANCE
PARKING LOT
LEGEND
PROPERTY BOUNDARY
CHAINLINK FENCE
STORM SEWER LINE
SANITARY SEWER LINE
STORM/DRAINAGE DITCH
VAP INVESTIGATION PROPERTY
GRAPHIC SCALE
160 FT
0
160 FT
Corporate Remediation Group
An Alliance between DuPont and URS Diamond
Barley Mill Plaza, Building 27
Wilmington, Delaware 19805
PROP. FEATURES MAP
DUPONT TOLEDO SITE
1930 TREMAINSVILLE ROAD
TOLEDO, OHIO
SCALE 1" = 160'
DATE MAR 17, 2005
CAD FILE NO. 441702A
FIGURE 2



DESIGNED	INITIALS
DRAWN	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

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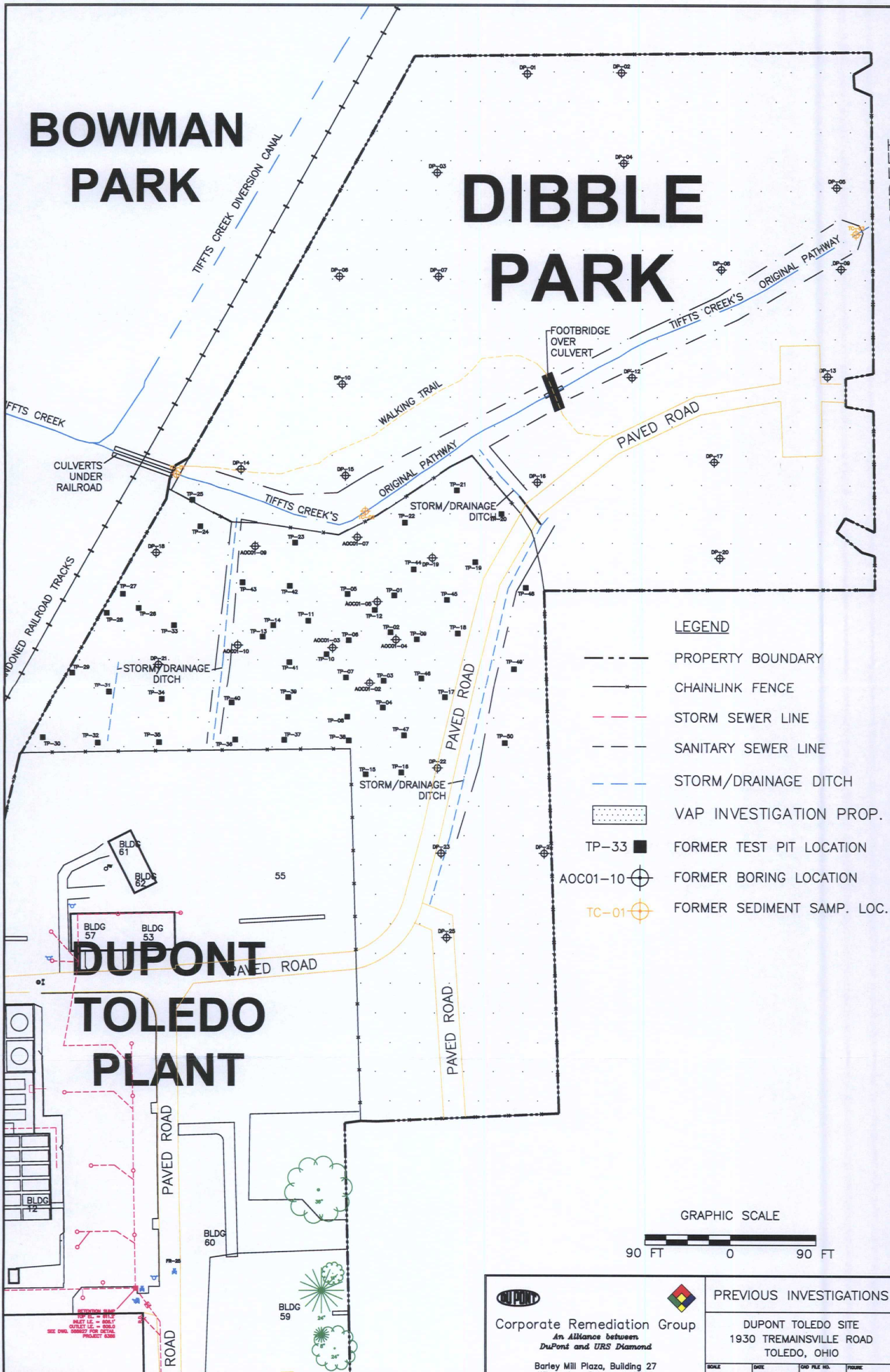
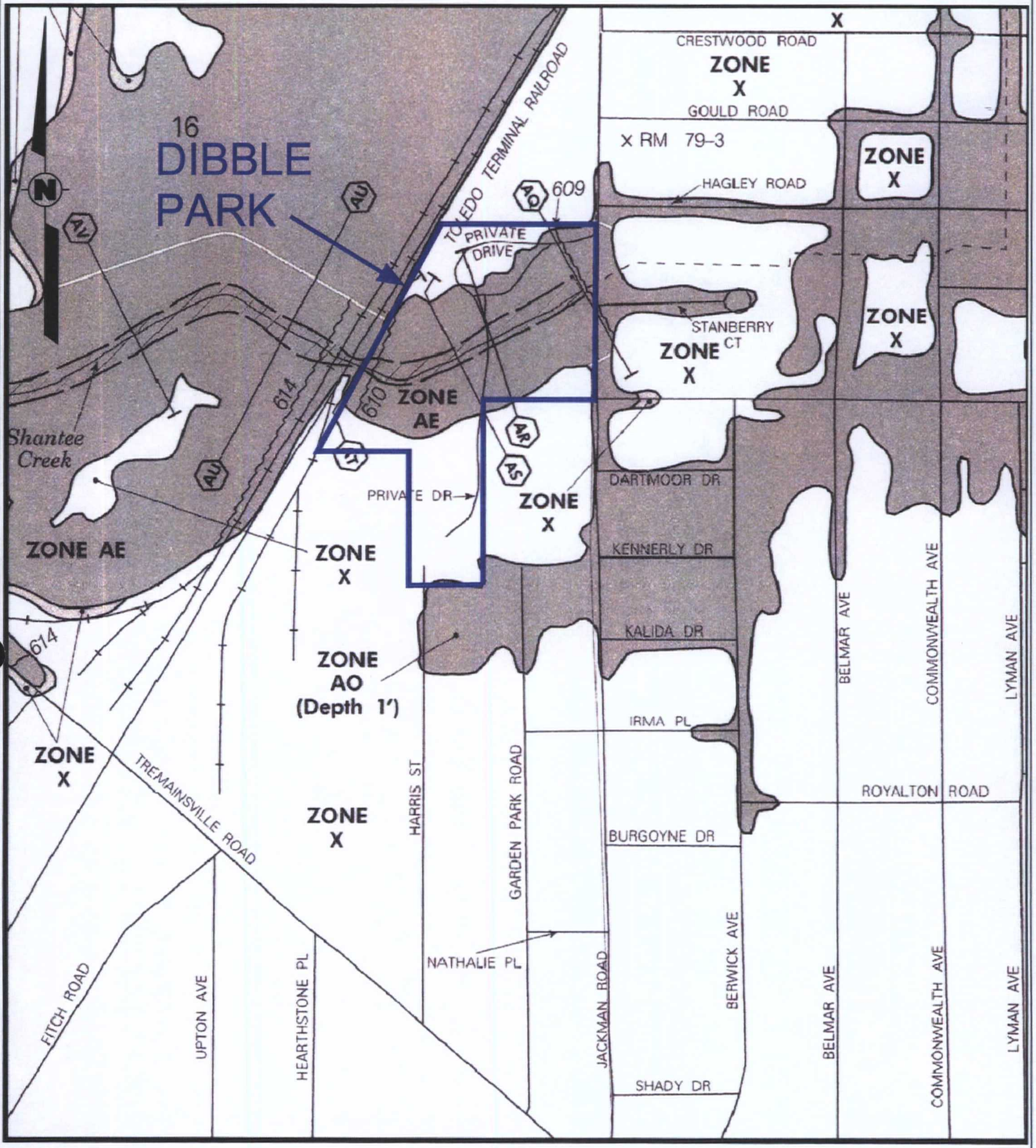
IDENTIFIED AREAS

DUPONT TOLEDO SITE
1930 TREMAINSVILLE ROAD
TOLEDO, OHIO

SCALE	DATE	DRAWING NO.	FIGURE
1" = 90'	MAR 17, 2006	4417028	3



BOWMAN PARK
DIBBLE PARK
DUPONT TOLEDO PLANT
TIFFTS CREEK DIVERSION CANAL
ABANDONED RAILROAD TRACKS
CULVERTS UNDER RAILROAD
TIFFTS CREEK
TIFFTS CREEK'S ORIGINAL PATHWAY
WALKING TRAIL
FOOTBRIDGE OVER CULVERT
PAVED ROAD
STORM/DRAINAGE DITCH
LEGEND
PROPERTY BOUNDARY
CHAINLINK FENCE
STORM SEWER LINE
SANITARY SEWER LINE
STORM/DRAINAGE DITCH
VAP INVESTIGATION PROP.
TP-33 FORMER TEST PIT LOCATION
AOC01-10 FORMER BORING LOCATION
TC-01 FORMER SEDIMENT SAMP. LOC.
GRAPHIC SCALE
90 FT 0 90 FT
BLDG 61
BLDG 62
55
BLDG 57
BLDG 53
BLDG 12
BLDG 60
BLDG 59
Corporate Remediation Group
An Alliance between DuPont and URS Diamond
Barley Mill Plaza, Building 27
Wilmington, Delaware 19805
PREVIOUS INVESTIGATIONS
DUPONT TOLEDO SITE
1930 TREMAINSVILLE ROAD
TOLEDO, OHIO
1" = 90'
MAR 17, 2005
4417028
4



REFERENCE DRAWING:
DRAWING ENTITLED FLOOD INSURANCE RATE MAP 10-06-00,
MAP #39095C0079-D, PANEL 79 OF 405, PREPARED FOR E. I. DUPONT DE NEMOURS AND COMPANY, TOLEDO PLANT, TOLEDO OHIO

DUPONT

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FLOOD INSURANCE RATE MAP 2000

DUPONT TOLEDO SITE
TOLEDO, OHIO

SCALE	DESIGNED	DRAWN	CAD FILE NO.
AS SHOWN	K.N.J	K.N.J	FLOOD_MAP
DATE	CHECKED	APPROVED	FIGURE
JAN 20, 2006	L.D.M.	L.D.M.	5

Primary Lithology of the Unconsolidated Deposits of Ohio

1 inch equals 7,103.147017 feet

DUPONT

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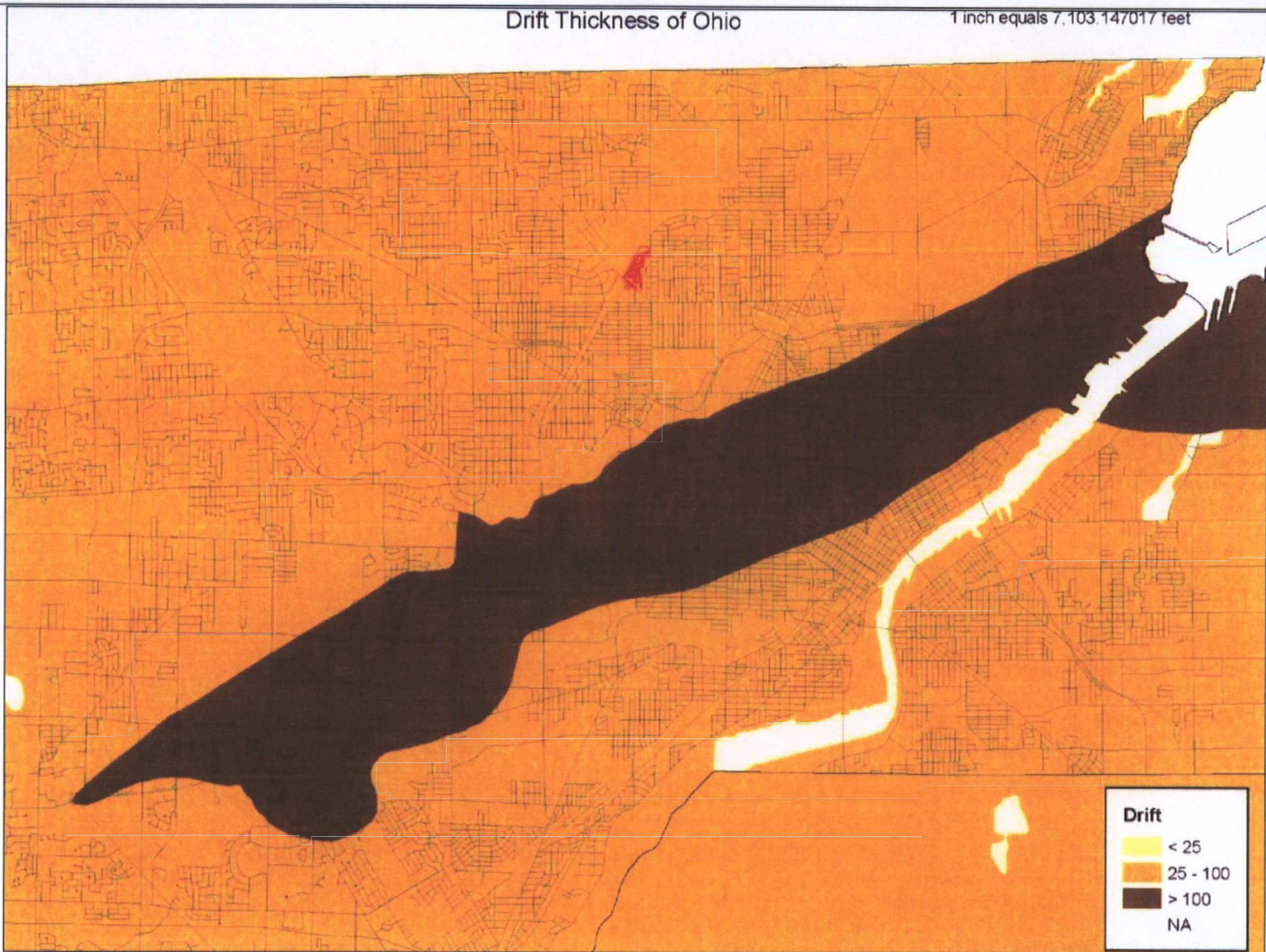
PRIMARY LITHOLOGY OF THE UNCONSOLIDATED DEPOSITS OF OHIO

DuPont Toledo Site
Toledo, Ohio

SCALE As Shown	DESIGNED	DRAWN DEL	CAD FILE NO. 4417A006
DATE 8/3/06	CHECKED B. Rogers	APPROVED A.P.E.	FIGURE 6



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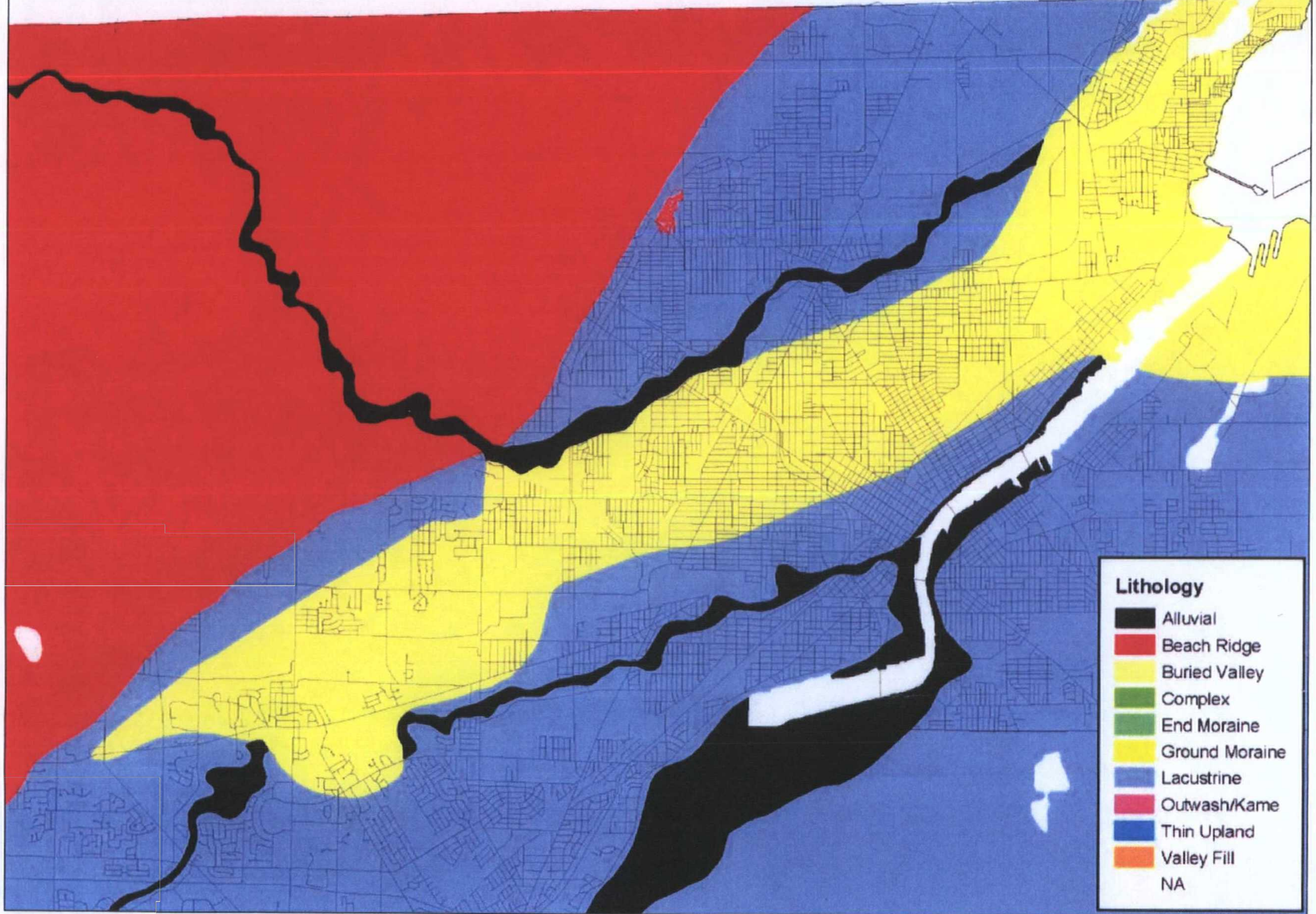
Wilmington, Delaware 19805

DRIFT THICKNESS OF OHIO

DuPont Toledo Site
Toledo, Ohio

SCALE As Shown	DESIGNED	DRAWN D.E.L.	CAD FILE NO. 4417A007
DATE 8/3/06	CHECKED B. Rogers	APPROVED A.P.E.	FIGURE 7

Hydrogeologic Settings of the Unconsolidated Aquifers of Ohio 1 inch equals 7,103.147017 feet



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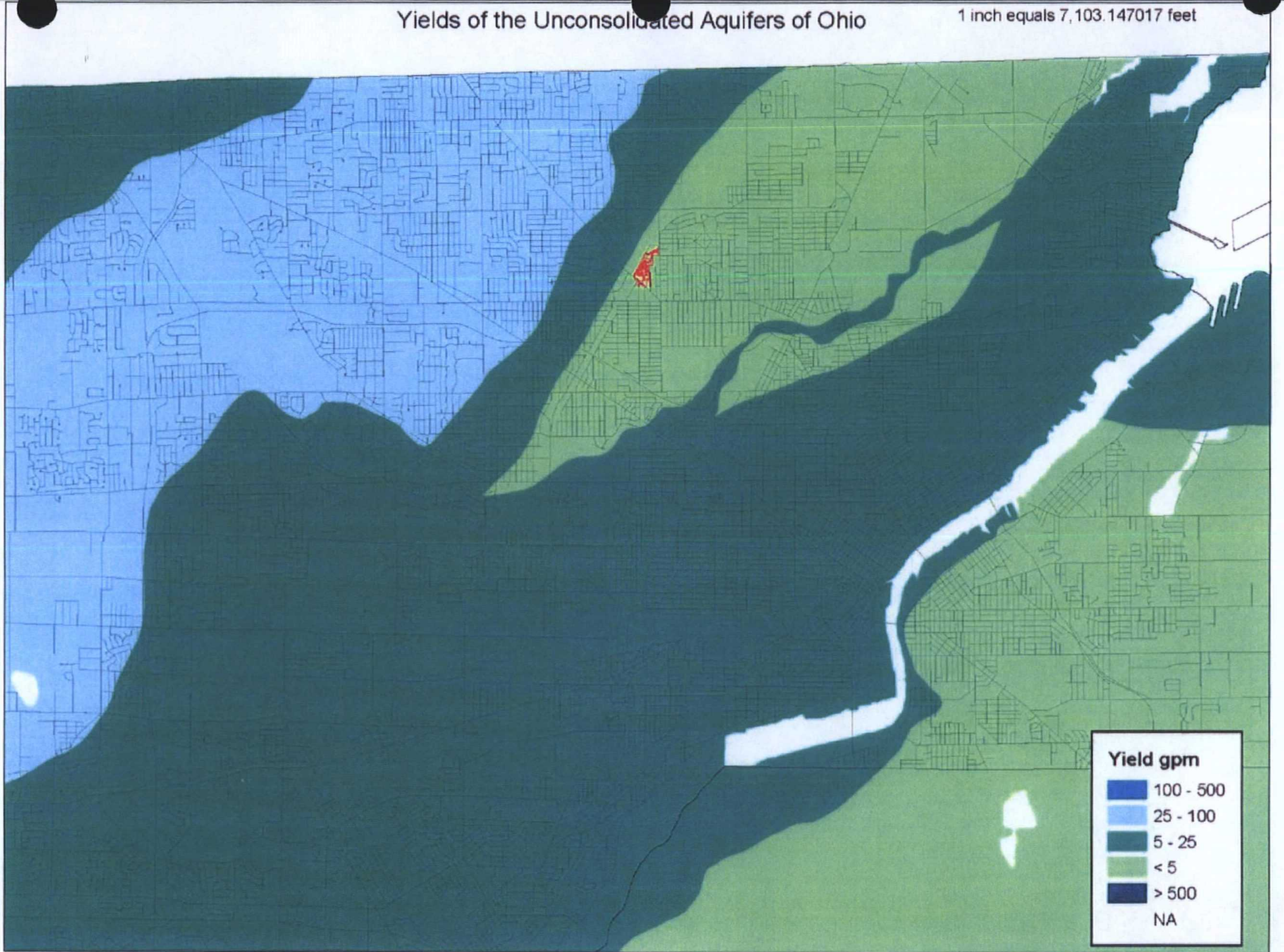
HYROGEOLOGIC SETTINGS OF THE UNCONSOLIDATED AQUIFERS OF OHIO

DuPont Toledo Site
Toledo, Ohio

SCALE	DESIGNED	DRAWN	CAD FILE NO.
As Shown		DEL	4417A008
DATE 8/3/06	CHECKED B. Rogers	APPROVED A.P.E.	FIGURE 8



DUPONT

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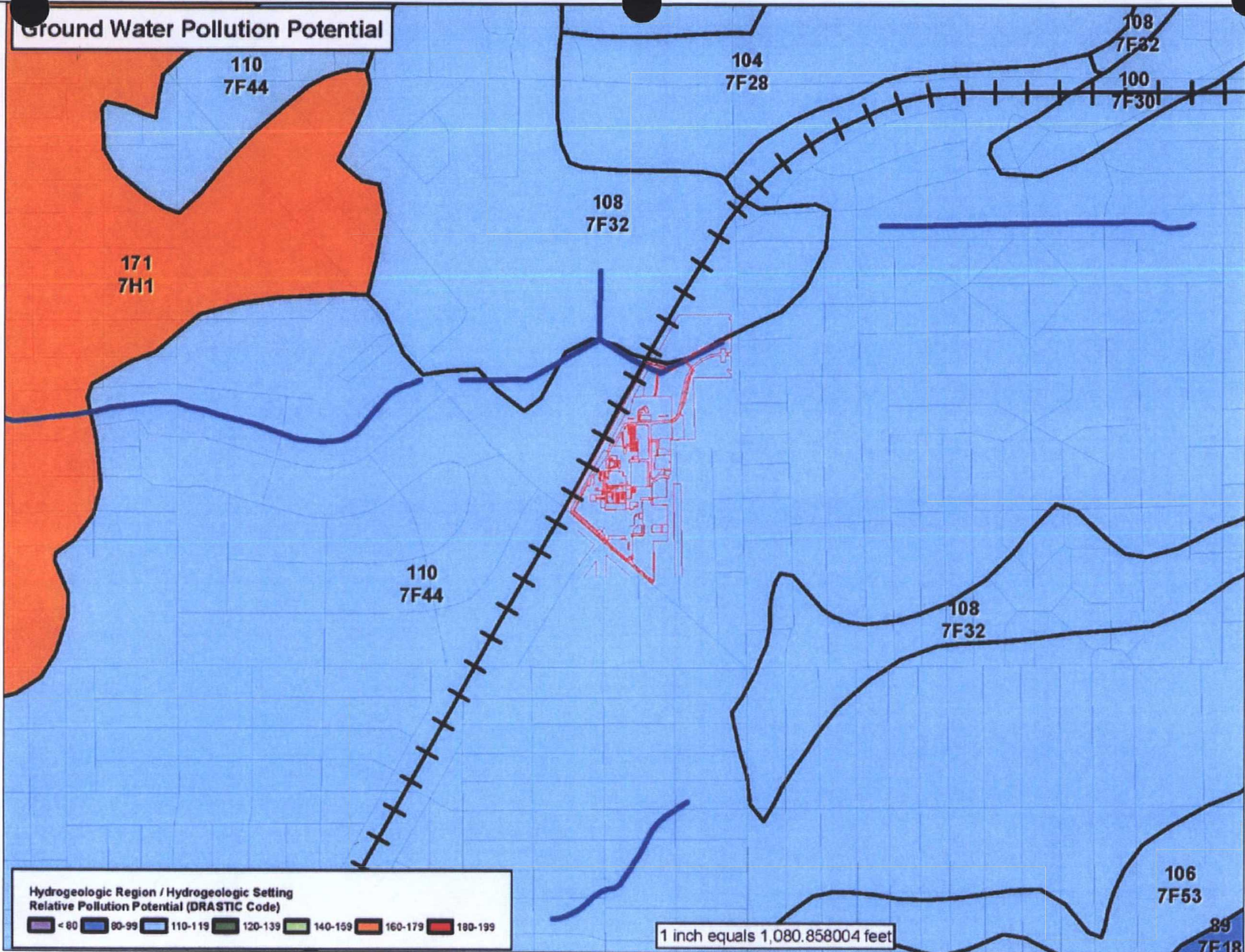
YIELDS OF THE UNCONSOLIDATED AQUIFERS OF OHIO

DuPont Toledo Site
Toledo, Ohio

SCALE As Shown	DESIGNED	DRAWN DEL	CAD FILE NO. 4417A009
DATE 8/3/06	CHECKED B. Rogers	APPROVED A.P.E.	FIGURE 9



Corporate Remediation Group

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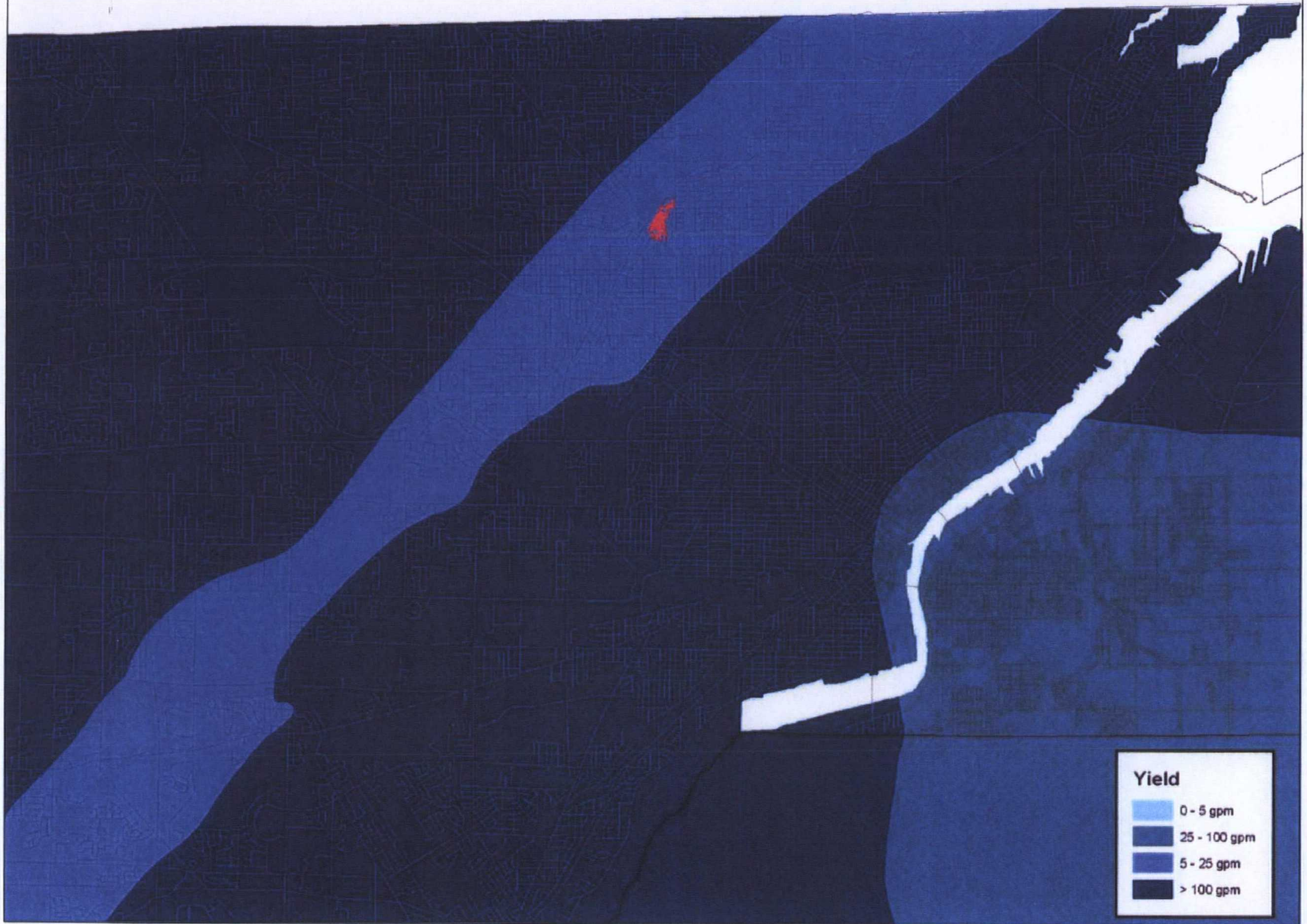
Wilmington, Delaware 19805

GROUNDWATER POLLUTION POTENTIAL

DuPont Toledo Site
Toledo, Ohio

SCALE	DESIGNED	DRAWN	CAD FILE NO.
As Shown		DEL	4417A010
DATE	**CHECKED**	**APPROVED**	**FIGURE**
8/3/06	B. Rogers	A.P.E.	10

Yields of the Uppermost Be[illegible]ck Aquifers of Ohio   1 inch equals 7,103.147017 feet



DUPONT

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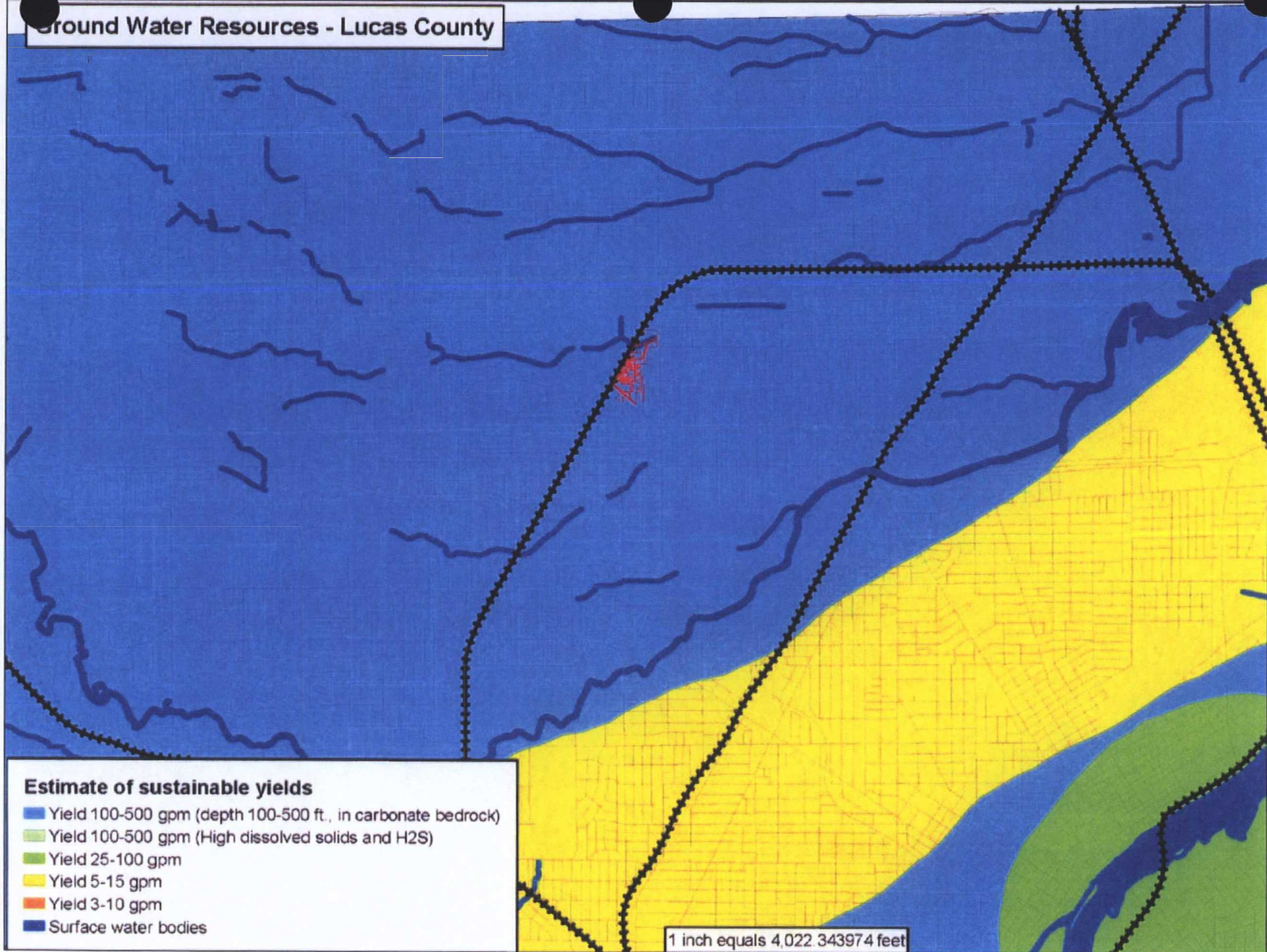
Wilmington, Delaware 19805

YIELDS OF THE UPPERMOST BEDROCK AQUIFERS OF OHIO

DuPont Toledo Site
Toledo, Ohio

SCALE	DESIGNED	DRAWN	CAD FILE NO.
As Shown		DEL	4417A011
DATE 8/3/06	CHECKED B. Rogers	APPROVED A.P.E.	FIGURE 11



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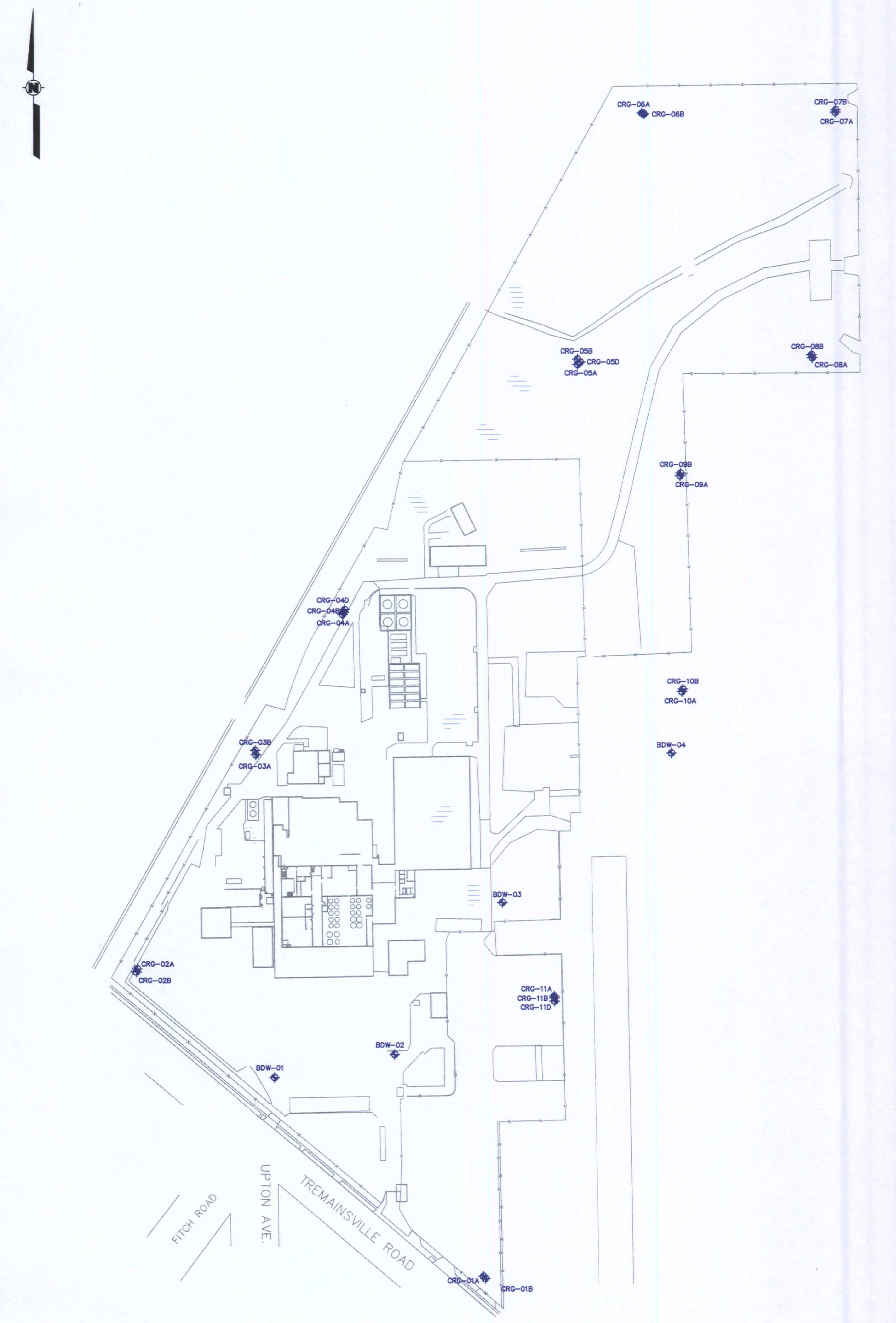
GROUNDWATER RESOURCES – LUCAS COUNTY

DuPont Toledo Site
Toledo, Ohio

SCALE	DESIGNED	DRAWN	CAD FILE NO.
As Shown		DEL	4417A012
DATE	**CHECKED**	**APPROVED**	**FIGURE**
8/3/06	B. Rogers	A.P.E.	12



LEGEND:

◆ MONITORING WELL

SCALE

180 0 180'

DESIGNED	INITIALS
DRAWN DEL	
CHECKED B. Rogers	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

DUPONT

Corporate Remediation Group

An Alliance between DuPont and URS Diamond

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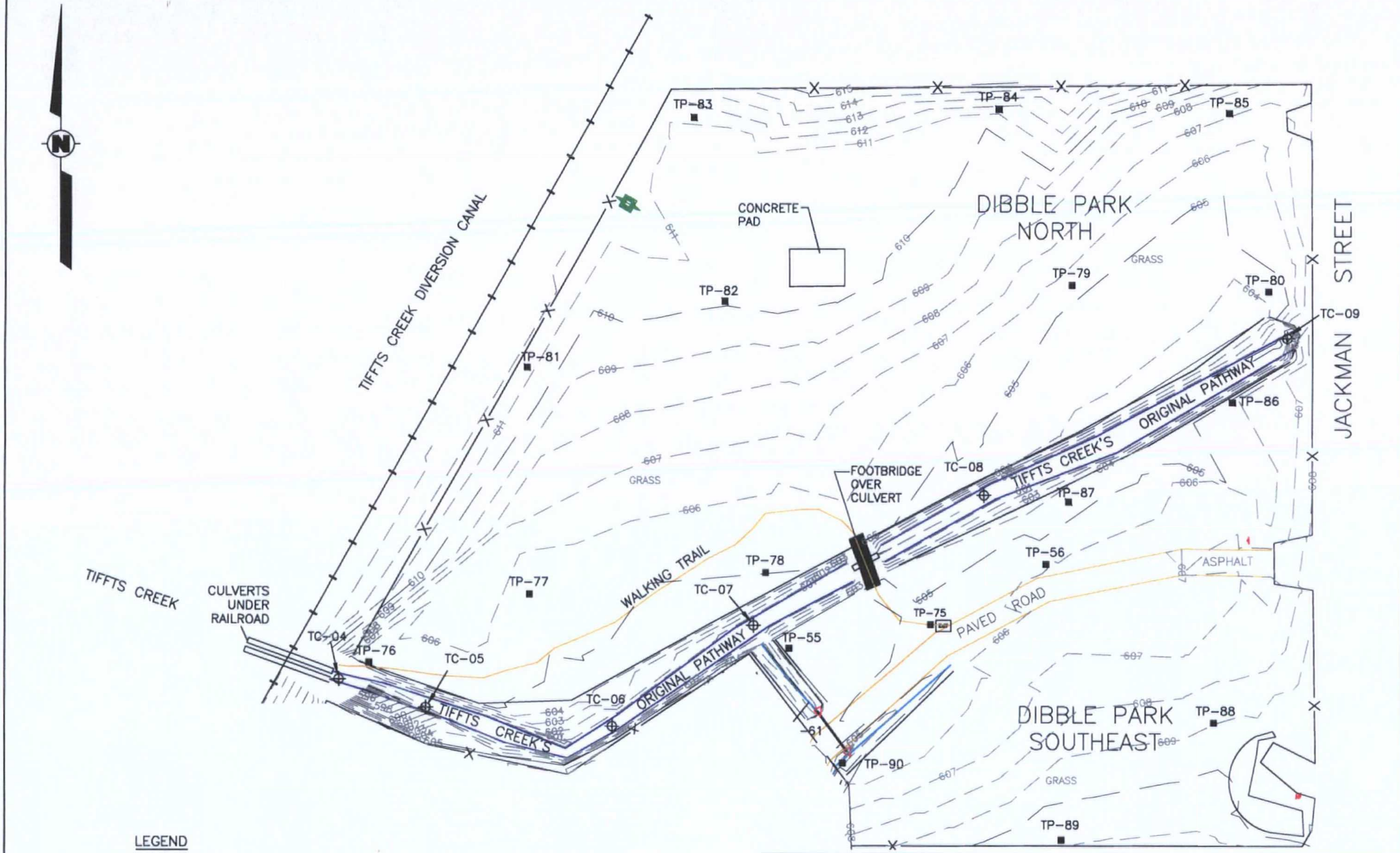
Wilmington, Delaware 19805

MONITORING WELL LOCATION MAP

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	CAD FILE NO.	FIGURE
As Shown	7/17/06	41888007	13



LEGEND

PROPERTY BOUNDARY

TC-04 SEDIMENT SAMPLING LOCATION

TP-65 2005 TEST PIT LOCATION

610 EXISTING CONTOUR LINE

CHAINLINK FENCE

SCALE

100' 0 100'

DUPONT

Corporate Remediation Group

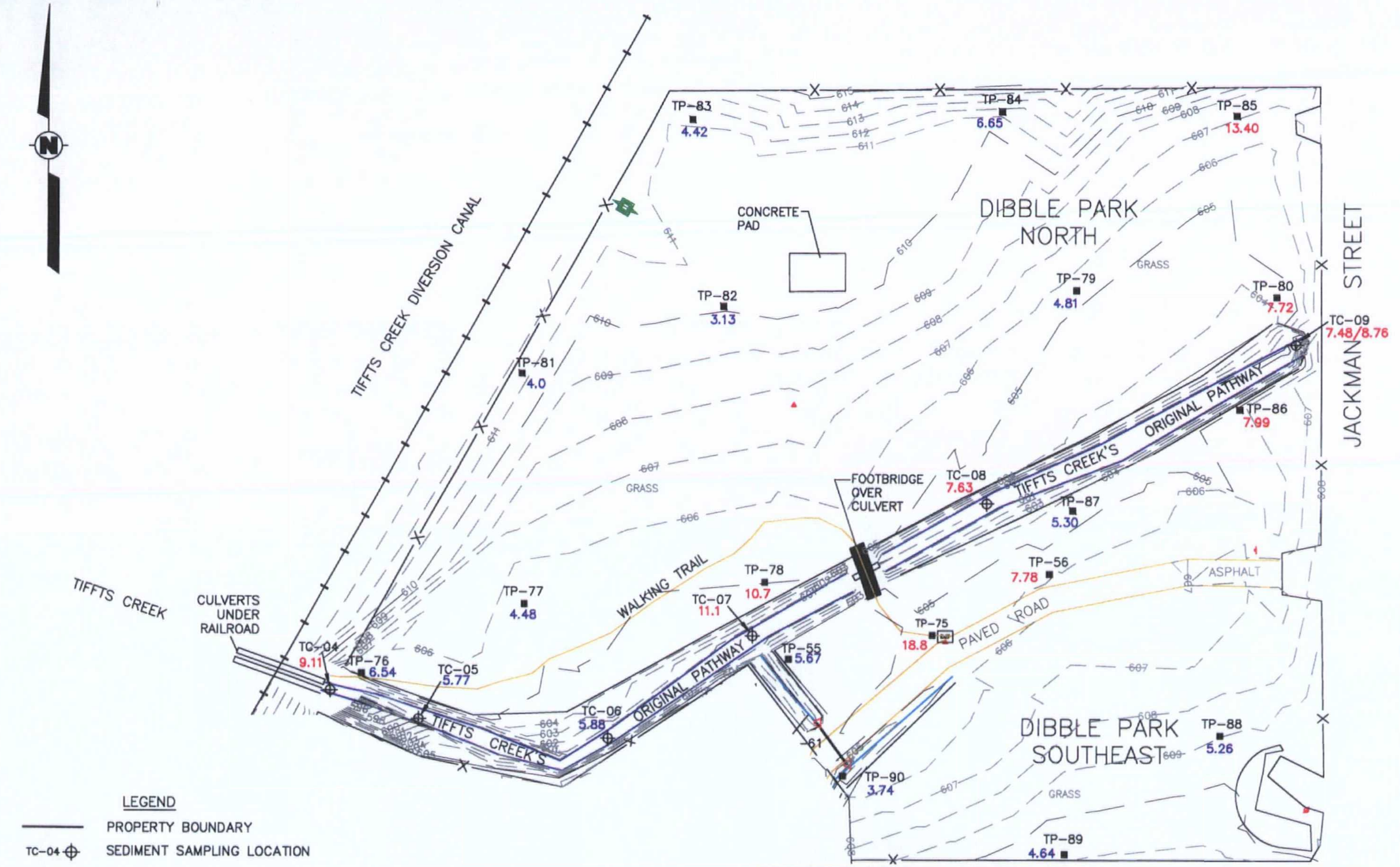
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 19
Wilmington, Delaware 19805

TEST PIT LOCATIONS

North Dibble Park
DuPont Toledo Plant
Toledo, Ohio

SCALE As Shown	DESIGNED RS	DRAWN DEL	CAD FILE NO. 4417A003
DATE 7/20/06	CHECKED EWR	APPROVED EWR	FIGURE 14



LEGEND

———	PROPERTY BOUNDARY
TC-04 ⊕	SEDIMENT SAMPLING LOCATION
3.13	ARSENIC CONCENTRATION IN SOIL BELOW 6.8 mg/kg
3.13	ARSENIC CONCENTRATION IN SOIL ABOVE 6.8 mg/kg
TP-65 ■	2005 TEST PIT LOCATION
610 —	EXISTING CONTOUR LINE
———	CHAINLINK FENCE

SCALE

100' 0 100'

DUPONT

Corporate Remediation Group

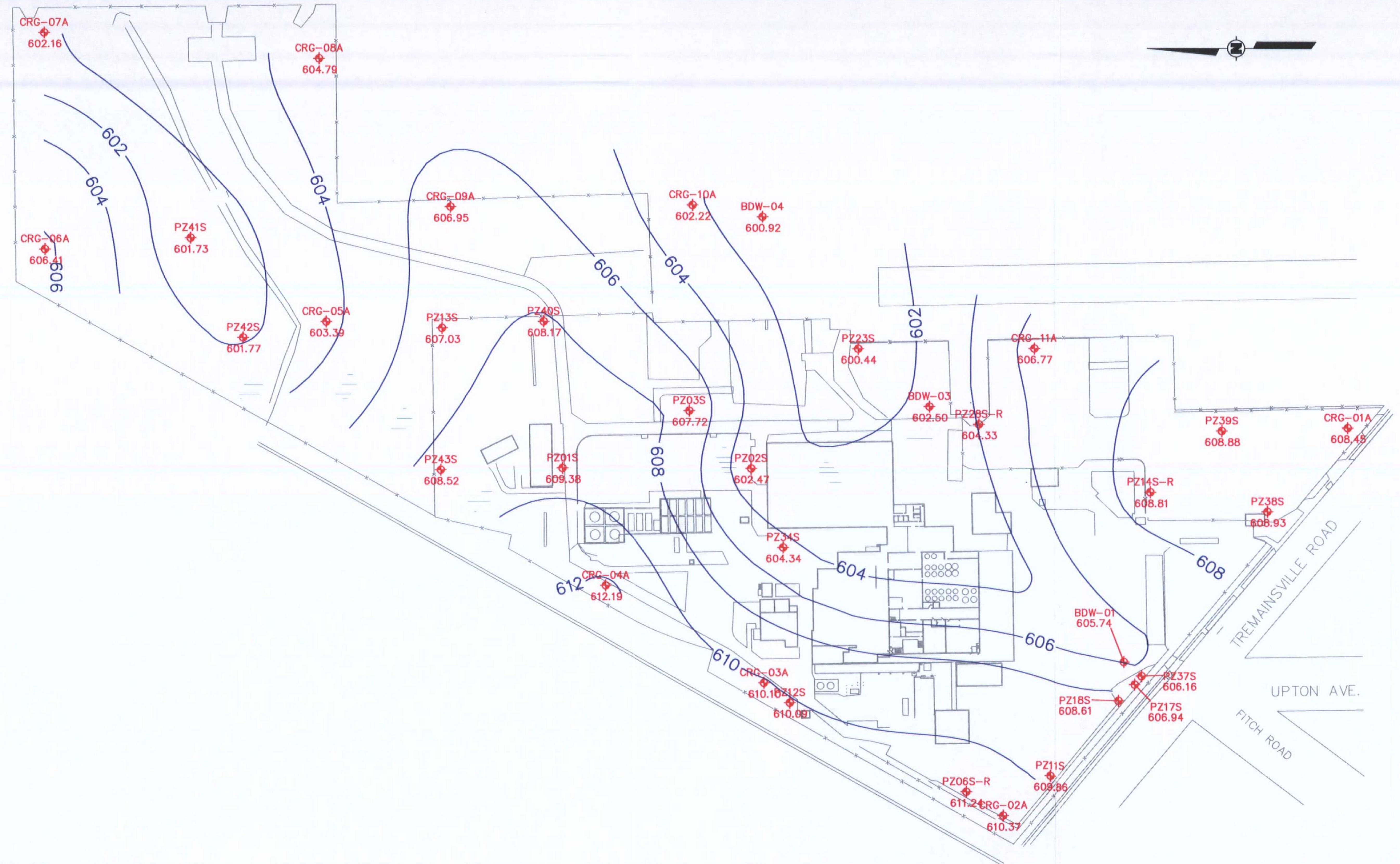
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 19
Wilmington, Delaware 19805

ARSENIC CONCENTRATIONS IN SOIL (mg/kg) (0–4 ft.)

North Dibble Park
DuPont Toledo Plant
Toledo, Ohio

SCALE	DESIGNED	DRAWN	CAD FILE NO.
As Shown	RS	DEL	4417A002
DATE 7/7/06	CHECKED EWR	APPROVED EWR	FIGURE 15



LEGEND:

MONITORING WELL

602.6 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVALS = 2'

SCALE

80 0 80'

DESIGNED	INITIALS
K. Joblow	
DRAWN	
DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

Corporate Remediation Group

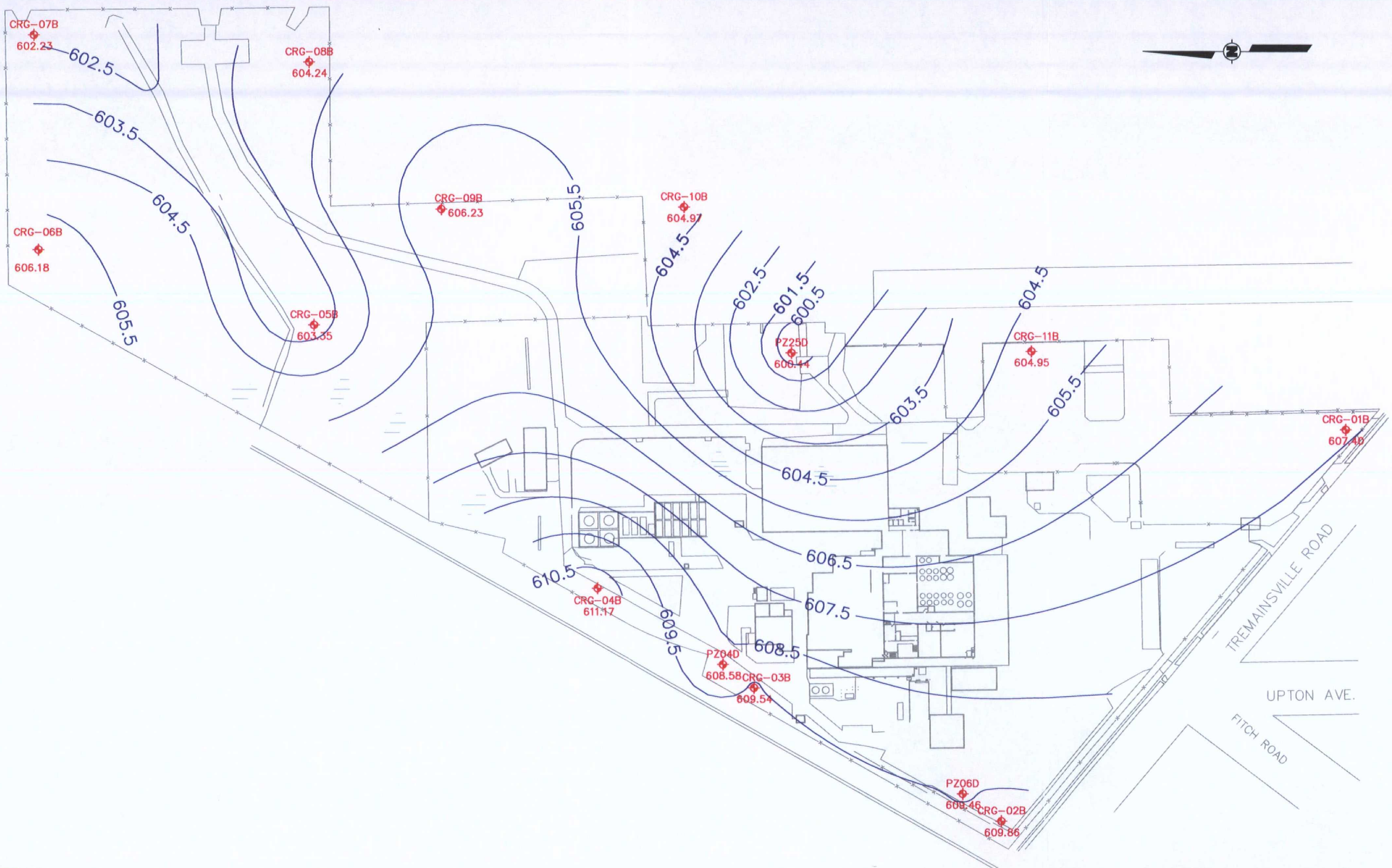
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

A ZONE GROUNDWATER ELEVATION CONTOUR MAP – 2Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	12/12/05	Well Azone 2Q05	16



LEGEND:

MONITORING WELL

602.6 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 1'

DESIGNED	INITIALS
K. Joblow	
DRAWN	
DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

Corporate Remediation Group

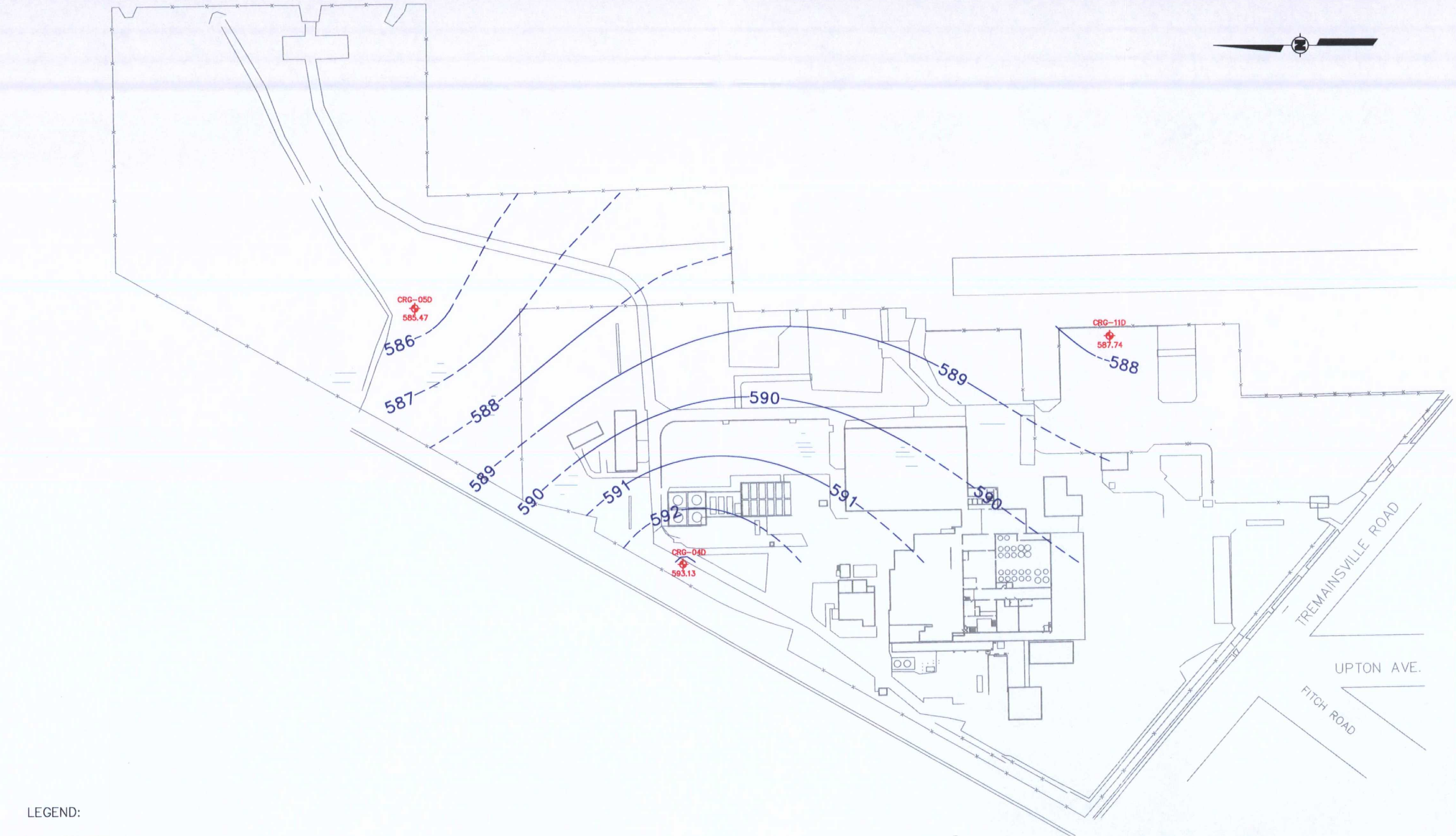
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

B ZONE GROUNDWATER ELEVATION CONTOUR MAP – 2Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	12/12/05	Well Bzone 2Q05	17



LEGEND:

MONITORING WELL

602.6 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR (DASHED WHERE EXTRAPOLATED)

CONTOUR INTERVAL = 1 FOOT

SCALE

80 0 80'

	INITIALS
DESIGNED K. Jablow	
DRAWN DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

Corporate Remediation Group

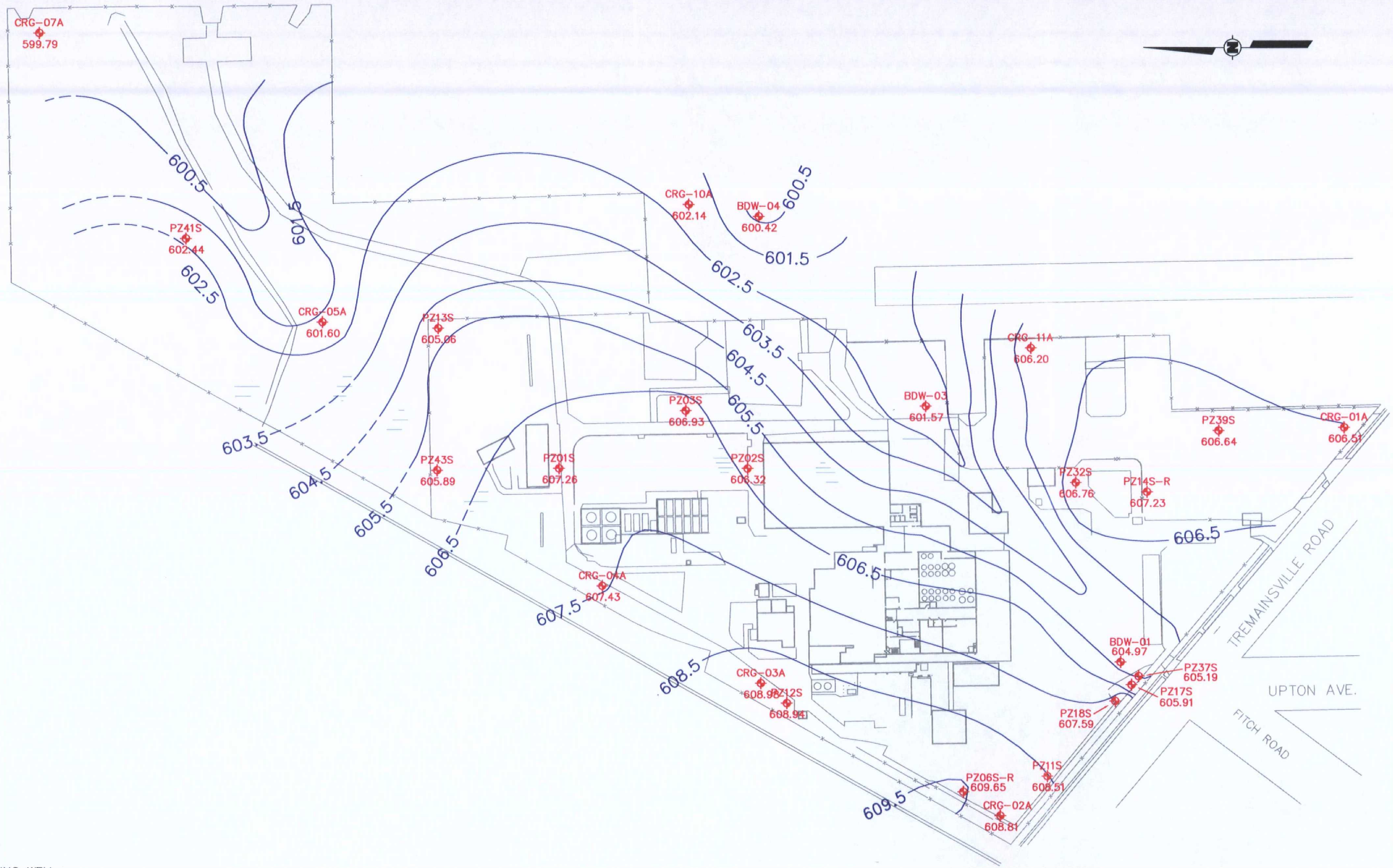
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

D ZONE GROUNDWATER ELEVATION CONTOUR MAP – 2Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	12/12/05	Well Dzone 2Q05	18



LEGEND:

MONITORING WELL

601.5 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 1 FOOT

SCALE

80 0 80'

DESIGNED	INITIALS
K. Jablow	
DRAWN	
DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

DUPONT

Corporate Remediation Group

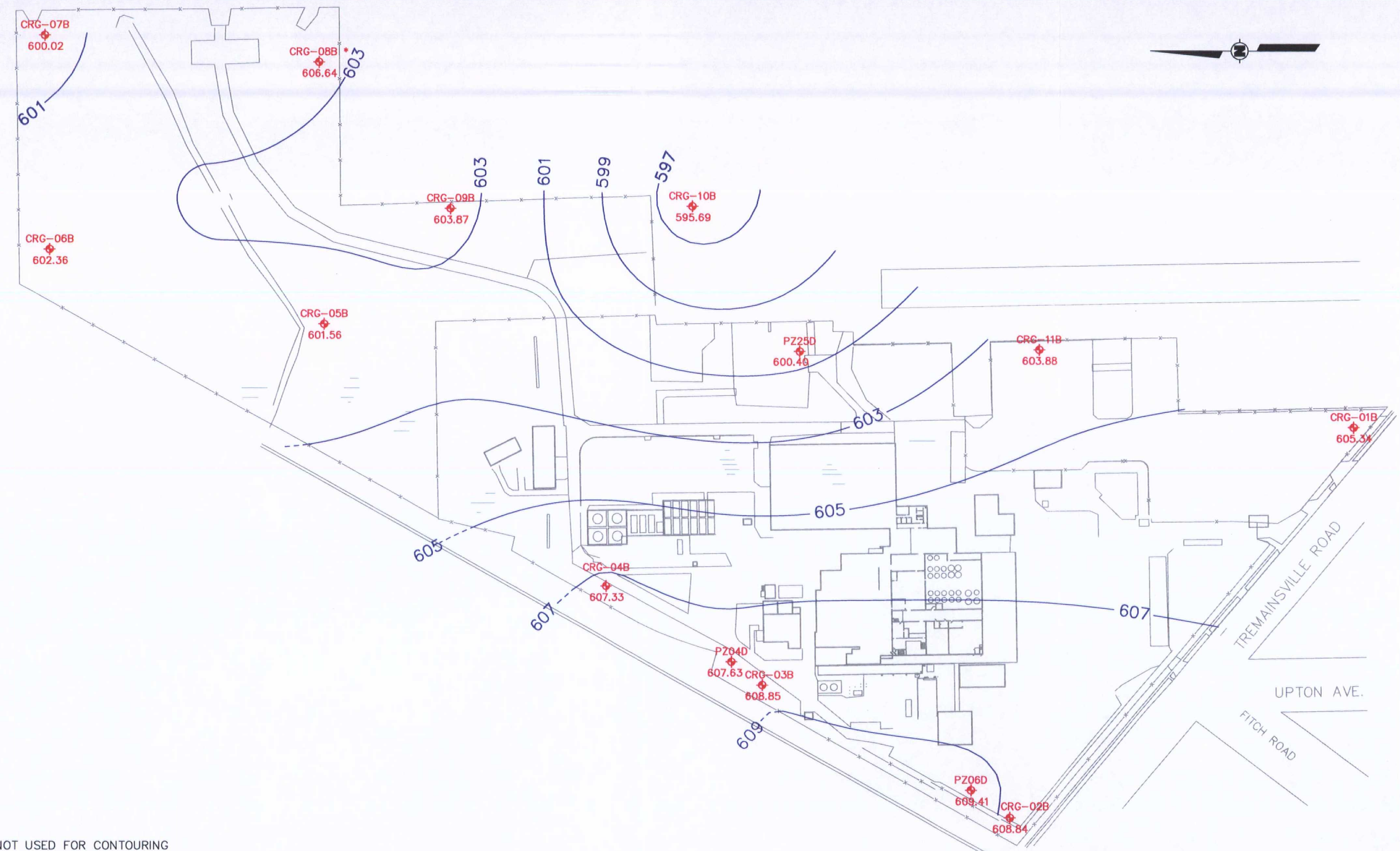
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

A ZONE GROUNDWATER ELEVATION CONTOUR MAP – 3Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	12/12/05	Well Azone 3Q05	19



LEGEND:

* DATA NOT USED FOR CONTOURING

MONITORING WELL

605 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 2 FEET

DESIGNED K. Jablow	INITIALS	
DRAWN DEL		
CHECKED		
APPROVED(DESIGN)		
APPROVED(CONSTRUCTION)		

DUPONT

Corporate Remediation Group

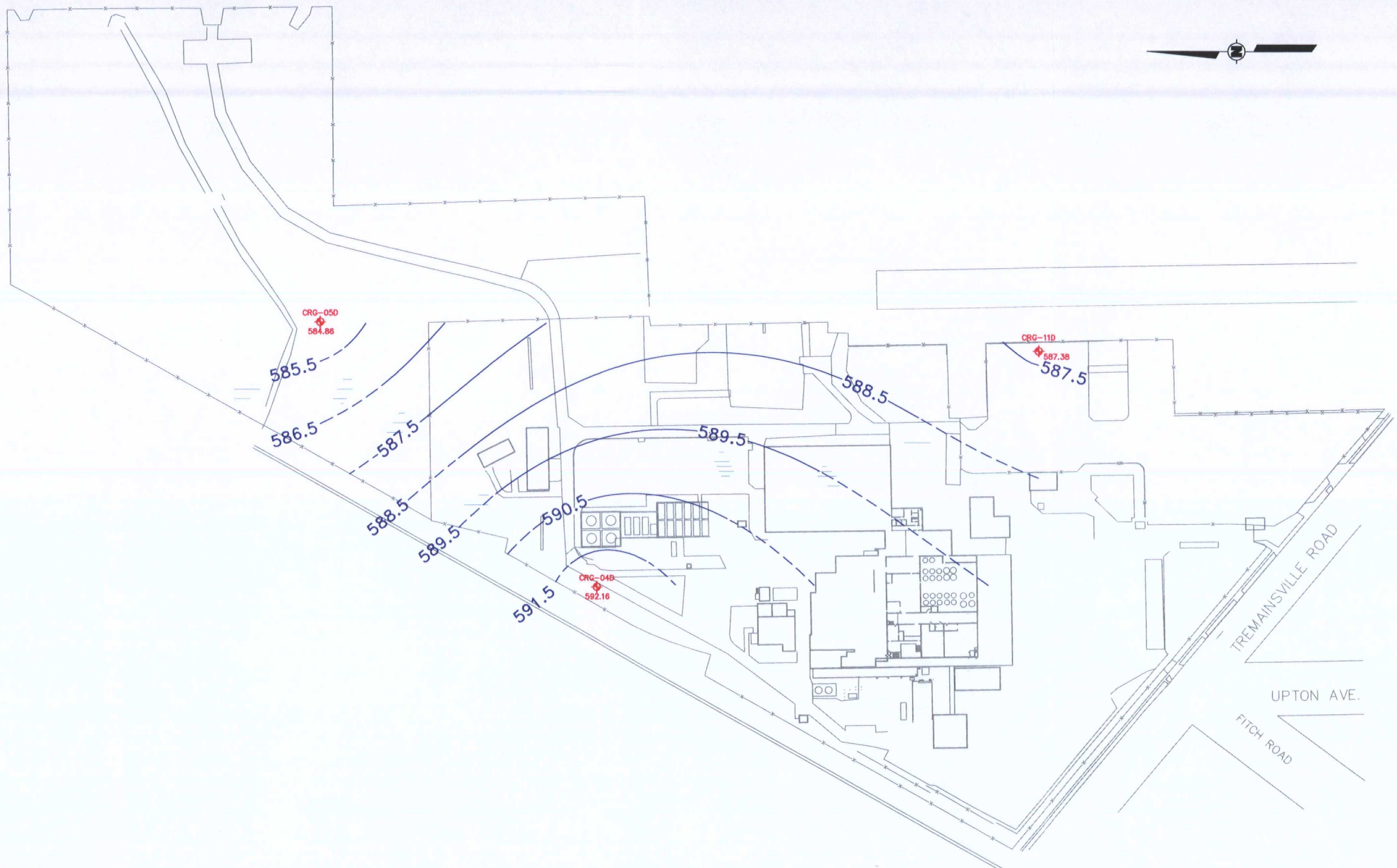
An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

B ZONE GROUNDWATER ELEVATION CONTOUR MAP – 3Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	12/12/05	Well Bzone 3Q05	20



LEGEND:

MONITORING WELL

602.6 GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR (DASHED WHERE EXTRAPOLATED)

CONTOUR INTERVAL = 1 FOOT

SCALE
80 0 80'

DESIGNED K. Jablow	INITIALS
DRAWN DEL	
CHECKED	
APPROVED(DESIGN)	
APPROVED(CONSTRUCTION)	

DUPONT

Corporate Remediation Group

An Alliance between DuPont and URS Diamond

Barley Mill Plaza, Building 27
Wilmington, Delaware 19805

D ZONE GROUNDWATER ELEVATION CONTOUR MAP – 3Q05

DuPont Automotive Products
Toledo, Ohio

SCALE	DATE	DRAWING NO.	FIGURE
As shown	12/12/05	Well Dzone 3Q05	21

APPENDICES

APPENDIX A

WELL LOG RECORD FROM BLACK DIAMOND NURSERY

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 632424

ORIGINAL OWNER AND LOCATION

Original Owner Name: *BLACK DIAMOND NURSER*
County: *LUCAS*
Township: *TOLEDO*
Section Number:
Address: *1964 TREMAINSVILLE ROAD*
Lot Number:
City:
State: *OH*
Zip Code:
Location Number:
Location Map Year:
Location Area:
Latitude:
Longitude:

CONSTRUCTION DETAILS

Borehole Diameter:
Borehole Diameter:
Depth to Bedrock:
Total Depth: *317 ft.*
Casing Diameter: *6.25 in.*
Casing Thickness:
Casing Length: *137 ft.*
Casing Diameter:
Casing Thickness:
Casing Length: *137 ft.*
Well Use:
Screen Length:
Date of Completion: *4/17/1987*
Aquifer Type: *LIMESTONE*
Driller's Name: *STOEPFEL DRILLING CO.*

WELL TEST DETAILS

Static Water Level: *52 ft.*
Test Rate: *100 gpm*
Drawdown:
Test Duration:

Associated Reports
NONE

COMMENTS*:*

WELL LOG

Formations	From	To
BRN MUD	0	20
GRY CLAY	20	100
GRAVEL/SAND/CLAY	100	137
BLU LIMESTONE	137	175
BRN LIMESTONE	175	317

Printing Tips (opens in new window)

Conduct Another Search

OR use your browsers back button to see the last list of addresses or roads.

Well log questions - Web site questions - Web policies

PHASE I ENVIRONMENTAL ASSESSMENT
DuPont Automotive Products
Toledo, Ohio

July 16, 1996 **DERS Project No. 3267**

FILE

Prepared by

DuPont Environmental Remediation Services
Barley Mill Plaza 27
P.O. Box 80027
Wilmington, Delaware 19880-0027

Lewis R. Schoenberger
Senior Engineer

Frank D. Smith, PG
Senior Geologist

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(Continued)

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APPENDIXES

DISCLAIMER

This environmental report has been prepared by DuPont Environmental Remediation Services (DERS) for DuPont based on discussions between DERS and DuPont concerning the environmental history of the site and the nature and scope of analysis requested, and upon other pertinent matters. This report is intended only for the client. No third party is entitled to rely on this report for any purpose. DERS makes no representation or warranty concerning the accuracy or completeness of the report nor any other representation or warranty except as specifically agreed to in writing by the parties.

EXECUTIVE SUMMARY

On March 28, 1996, a Phase I environmental assessment was conducted at the DuPont Automotive Products Toledo, Ohio, facility (Toledo facility). This assessment was conducted in accordance with the 1988 *Technical Approach to Assessing Environmental Liability*, prepared by the DuPont Acquisition/Divestiture Technical Committee. The results of this assessment and the associated document review are contained in this report.

The Toledo facility has been the site of manufacturing activities since 1919. Manufacturing has been confined to the southern portion of the facility. As a result of these manufacturing activities, different solid and hazardous wastes have been generated and managed at the site. Throughout the site's 77-year operational history, several documented releases to the environment have occurred.

In the northern portion of the site (the area identified as Dibble Park) was not used for manufacturing, and there are no records of waste management issues or site releases that could have impacted this area. According to plant personnel, this area has always been a park.

1.0 INTRODUCTION

This environmental assessment was conducted in accordance with the 1988 *Technical Approach to Assessing Environmental Liability*, prepared by the Acquisition/Divestitures Technical Committee of DuPont.

1.1 Purpose and Scope

The purpose of this assessment is to determine whether any potential environmental liabilities exist at the DuPont Automotive Products Toledo, Ohio, facility that may impede the potential sale of portions of the property.

1.2 Location and Operational History

The DuPont Automotive Products Toledo, Ohio, facility (Toledo facility) is located at 1930 Tremainsville Road in Toledo, Ohio. The facility is bordered by Harris Street and Jackman Road to the east, Tremainsville Road to the south, and railroad tracks to the west and north (see Figure 1). The total area of the site is approximately 17 acres.

The Toledo facility manufactured automotive paints until 1994. The facility currently manufactures resins to support other DuPont paint-making facilities. Reactor Nos. 4, 5, and 7 in Building 6 is used for this production process. The site started manufacturing operations as the Mountain Paint and Varnish Company in 1919. DuPont acquired the Mountain Paint and Varnish Company in 1934. In 1978, DuPont acquired an adjacent facility owned by Peterson Engineering. The property included Buildings 59 and 60. The site boundary has remained unchanged since 1978. The building locations and general dimensions are provided in Figure 2.

Manufacturing activities have been confined to the southern fenced portion of the facility. A small track of the northern portion of the facility, identified as Dibble Park, does not have a record of manufacturing activity.

1.3 Asset Waste Streams and Waste Management Practices

The facility has generated a number of wastes as a result of production operations. Several different solid waste management units (SWMUs) have been used to manage these wastes on-site. Many of the units used to manage solid wastes at the facility are listed in the March 1990 *Preliminary Review/Visual Site Inspection Report* (PR/VSI). A. T. Kearney conducted the PR/VSI for the United States Environmental Protection Agency (USEPA). During the PR/VSI, 63 SWMUs and two areas of concern (AOCs) were identified. A list of the SWMUs, AOCs, and their associated waste streams is included in Appendix A.

Included in the list of SWMUs are 15 hazardous waste storage tanks, 14 of which are currently being closed under the Resource Conservation and Recovery Act (RCRA). The westernmost tank in the west tank farm was part of a closed-loop recovery system. The distillation equipment used in this recovery system is located in Building 6. The solvent recovery system has been idle for approximately six months. The tanks are now a part of a less than 90-day accumulation system.

Noncontact cooling water from the resin manufacturing area and storm-water runoff are discharged to Blodgett Ditch at discharge station 001. Noncontact cooling water from the former paint area and storm-water runoff are discharged to Blodgett Ditch at discharge station 002. Both of these discharges are permitted under the facility's National Pollutant Discharge Elimination System (NPDES) permit. The cooling water is drawn from an on-site well located near the fenceline west of Building 7. A second well is also located in the southern plant operating area.

1.4 Asset Regulatory Concerns

1.4.1 RCRA Permitting and Closure

On August 18, 1980, the facility notified the USEPA of its hazardous waste activity. As a result, the facility was assigned USEPA identification number OHD005041843. On December 4, 1981, the USEPA/Ohio Environmental Protection Agency (OEPA) issued a hazardous waste facility installation and operation permit (permit number 03-48-0195) to the facility. The activities authorized by this permit included storage of hazardous wastes in containers. On November 19, 1987, the facility submitted a permit change request to the OEPA to close 14 hazardous waste storage tanks and to install three new hazardous waste storage tanks. In December 1988 and January 1989, the facility installed and began operating the three new hazardous waste storage tanks. On January 18 and 19, 1996, DuPont Environmental Remediation Services (DERS) submitted the latest revision of the closure plans for the container storage pad and the tank 13 storage area, respectively. OEPA approval of these closure plans is pending.

1.4.2 RCRA Facility Investigation

In the March 1990 PR/VSI report, A. T. Kearney recommended additional RCRA facility investigation (RFI) activities. These recommendations included the following:

- Integrity testing for the sumps at the tank wagon shed (SWMU 43), the resin spill trenches (SWMU 44), the resin retention basin (SWMU 45), and the equipment cleaning sump (SWMU 54)
- Integrity testing of the sanitary sewer (SWMU 59) and the storm sewer (SWMU 60)
- Soil sampling adjacent to reactors 1, 2, 3, 4, and 5 catch tank (SWMU 49)
- Soil sampling at the former fuel oil underground storage tank (UST) area (AOC A)
- A geophysical survey or subsurface investigation of the north property (AOC B) to determine whether wastes were buried there

The requirements of the RFI may not be finalized until the USEPA issues the Hazardous and Solid Waste Amendments of 1984 (HSWA) module of the Part B permit.

1.5 Topography, Geology, and Hydrogeology

1.5.1 Surface Drainage

Site surface water is collected and discharged to a plant storm sewer system, which discharges into Blodgetts Creek. The creek is carried in a 48-inch tile underground pipe from southwest of the plant to past the southern edge of the building complex and north to where it merges underground with Tifft Creek (see Figure 3). Downstream of this merger, the stream is called Shantee Creek and is carried by culvert to just west of Larchmont School, where it emerges aboveground. Some surface runoff water in the northern part of the facility discharges overland to Tifft Creek through shallow ditches. Tifft Creek is approximately 3 feet deep and 6 feet wide. Shantee Creek flows north to northeast and is aboveground except in industrial parts of the city. Shantee Creek ultimately discharges into Lake Erie.

1.5.2 Regional Geology and Hydrogeology

The Toledo area is located within the eastern lake section of the Central Lowland province. The majority of the Central Lowland province, including the Toledo area, is underlain by carbonate aquifers comprised of limestone and dolomite of Silurian and Devonian age.

Regional soil is mainly Dixboro soil according to the soil survey of Lucas County (1980), and the soil is composed of predominantly fine sandy loam and some disturbed urban-type soil. The surface layer of the Dixboro soil is typically very dark gray, fine sandy loam to a depth of 9 inches and is underlain by a mottled, grayish brown, very friable fine sandy loam that is 7 inches thick. The subsoil is a mottled, brown to yellowish brown, friable fine sandy loam and extends to a depth of about 27 inches.

Little site-specific geologic and soil information is available. According to the 1990 PR/VSI report prepared for the Toledo facility, facility personnel excavated two trenches in the northern portion of the property in 1990 to investigate rumors of past land disposal activities in this area. The trenches encountered a gray clay at 10 feet and some perched water at the bottom of the trench (10 feet).

The carbonate aquifers of western Ohio consist mostly of massive limestone dolomite units with some shale and gypsiferous interbedding. The carbonate aquifers are present at depths of 25 to 300 feet and are generally under confined conditions. Well yields in the area are 5 to 300 gallons per minute (gpm). Groundwater is generally very hard with high concentrations of calcium and magnesium sulfates. Hydrogen sulfide is prevalent in gypsiferous units, and groundwater is saline below 500 feet (Dames & Moore 1990).

Regional groundwater flows east-southeast toward the Maumee River and Lake Erie. At the Toledo facility, some localized flow may exist to the north toward Tifft Creek. Two production wells are located at the DuPont facility, both of which are used exclusively to provide noncontact cooling water. The wells are approximately 180 and 230 feet deep. One well was installed prior to 1934 when DuPont acquired the facility, and one well was installed shortly after the site was acquired. No logs are available for the production wells. No monitoring wells have been installed at the Toledo facility.

1.6 Neighboring Industrial/Regulatory Activities

Except for local gas stations and Vroman Foods, an ice cream manufacturer, no significant industrial manufacturing facilities are in close proximity to the facility. A search of the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) indicates that 15 CERCLIS facilities are located in Toledo, Ohio. A copy of the list, including site names and addresses, is included in Appendix B. A search of the Toxic Release Inventory System (TRIS) indicates that three facilities in the 43613 zip code area reported releases. A list of these facilities and their respective releases to groundwater, land surface, and surface water during the calendar year 1993 is also contained in Appendix B.

2.0 CORPORATE LIABILITY ASSESSMENT QUESTIONNAIRE

As part of the Phase I assessment, the Corporate Liability Assessment Questionnaire (see Appendix C) was reviewed. The Corporate Liability Assessment Questionnaire had been completed for this site several years ago. The questionnaire was provided to Ms. Lisa Hamilton of DuPont. A summary of the questionnaire responses is included in subsequent sections.

2.1 Hazardous Waste

The major hazardous waste streams generated by the facility have included contaminated paint, waste resins, paint sludge, strip solvent, and wastewater. The RCRA waste codes applicable to these wastes include D001, D002, D003, D005, D007, D008, D009, F003, F005, D018, and D035. Waste codes F005, D001, F003, and D035 are generated as a result of current resin manufacturing operations.

Prior to the effective date of RCRA, all wastes (including hazardous wastes) were sent to solid waste landfills such as Dura and Stevens Landfill. Currently, hazardous wastes are sent to Rineco, Systech, DuPont Chambers Works, Phillips Environmental, Huskill Chemical Company, and Ross Incineration for proper treatment and/or disposal. The wastes are hauled to these facilities by third-party haulers approved by DuPont.

Subsequent to completion of the questionnaire on September 30, 1993, the OEPA issued a Director's Final Findings and Orders (Order) to the facility for alleged RCRA violations that were observed during inspections on March 15, 1990; April 7, 1992; April 19, 1993; and July 22, 1993. Most of the alleged violations pertain to RCRA documentation and recordkeeping requirements. However, a leaking pump at tank W-14 was observed on April 7, 1992.

2.2 Groundwater

As of the date of completion of the questionnaire, the Ohio Geological Survey had no record of any water wells within 1½- to 2-mile radius of the site. However, they also did not have a record of the wells that exist on the site. Hence, their records appear to be incomplete.

Groundwater wells in Toledo, Ohio, are typically from 100 to 150 feet below the surface. Groundwater in the carbonate aquifer flows toward the southeast and is a water source in other parts of Toledo.

Dames & Moore prepared a draft Groundwater Protection Plan on April 19, 1990. This report indicates the tank storage areas, parking lot, peroxide building area, warehouse, sludge disposal area, and raw material storage area are all areas that, according to their current operations or activities formerly conducted in these areas, may have had an impact on the groundwater.

2.3 Nonhazardous Waste

Nonhazardous waste generated at the facility is placed into a compactor. This material is compacted and sent to an off-site disposal facility such as the Evergreen Landfill. In 1993, 250,000 pounds of industrial waste were shipped for disposal. The nonhazardous waste streams included fiber barrels, paper cups with dried paint and millbases, and disposable wipers with dried paint and millbases.

2.4 Water Pollution Control

As noted previously, the primary wastewater generated at this facility is noncontact cooling water from the resin and paint areas and storm-water runoff. This wastewater is discharged to Blodgett Ditch at outfalls 001 and 002 as permitted by the facility's NPDES permit 2IF00016*ED and NPDES order number 049-91B. Sanitary wastewater is discharged to a publicly owned treatment works (POTW) Order No. 049-87-A. DERS prepared a storm water pollution prevention plan on November 18, 1995.

2.5 Air Pollution Control

The facility has air pollution control permit numbers 0448010058-B001 through B005, P001 through P007, and K001. These permits were issued for the equipment associated with the resin- and paint-manufacturing operations.

3.0 AREAS OF DOCUMENTED RELEASES

3.1 SWMUs and AOCs Designated Potential Environmental Concern for Further Investigation

As noted in Section 1.4.2, 63 SWMUs and two AOCs were identified during the PR/VSI. Several of these units may require further investigation and remediation after the HSWA Corrective Action Module of the facility's part B permit is issued. Of these units, only SWMUs 13 (Tank 13), 43 (Tank Wagon Shed Trench), 44 (Resin Spill Trenches), 45 (Resin Retention Basin), 49 (Reactor 1, 2, 3, 4, and 5 Catch Tank), 54 (Equipment Cleaning Sump), 59 (Sanitary Sewer), 60 (Storm Sewer), and AOCs A (former Fuel UST Area) and B (North Property Area) are units that are identified as areas that may require further investigation in the PR/VSI report. SWMUs 13 and 60 have a history of releases according to the PR/VSI report.

3.2 Spill History

In addition to these issues, the following documented releases have occurred at the facility (refer to the September 30, 1993, Director's Findings and Orders and the March 28, 1996, site visit):

- March 18, 1969, release of approximately 30 gallons of alkyd resin to storm sewer (SWMU 60) through a roof drain in the production area
- July 15, 1976, release of one quart of liquid containing styrene and ethyl acrylate from tank between reactor and one of the reactor scrubbers (SWMUs 46, 47, and 48)
- August 1983 release of wastes containing water soluble alcohol to sewer
- October 4, 1984, release of approximately 500 gallons of water contaminated with phthalocyanine copper blue pigment in an unpaved area in the northern portion of the facility's property (AOC B) and drained toward Blodgetts Creek
- March 14, 1986, release of approximately 10 gallons of *Teflon*® millbase to the storm sewer
- June 29, 1987, release that resulted in a strong formaldehyde odor near the plant

- Late 1987 tank rupture and spill of *Dowtherm*® in a concrete-paved area on the north side of Building F; a small fire resulted
- March 9, 1995, release of 7 to 10 gallons of TMI-205 into the cooling tower and Blodgett Ditch

4.0 SITE VISIT

On March 28, 1996, Mr. Lewis R. Schoenberger of DERS visited the facility with Ms. Denise Trabbic-Pointer. As a part of the site visit, Mr. Schoenberger and Ms. Trabbic-Pointer also met with Mr. John Randall and Mr. George Cross. During this visit, the site operations and history were discussed, and the manufacturing and waste management areas were reviewed. Photographs that were taken during the site visit are included in Appendix D.

At the time of the visit, demolition activities were on going. Portions of Building 1 were being demolished. Continued demolition of other buildings remaining at the site is planned.

Manufacturing activities are confined to the southern portion of the facility. North of the manufacturing area and outside of the operating plant's fenced area is a portion of the facility that is identified as Dibble Park (see Figure 4). According to Ms. Trabbic-Pointer, this area has always been a park. No records of manufacturing activities exist for this area. In addition, no records were reviewed showing that a release has impacted the Dibble Park area.

During the site visit, the following issues were relayed to Mr. Schoenberger:

- The area beneath the warehouse (Building 55) may have been an old burn pit and waste burial area (drum bottoms were uncovered when the building was built).
- Pyridene pails may have been buried beneath the fuel oil tank that was north of Building 7.
- Full nail polish bottles used to be scattered on the ground around Building 59 are believed to have come from Peterson Engineering.
- A caustic pit used to clean equipment was located in Building 5. It is now filled in.
- Building 52 also had an equipment cleaning pit.
- An oil and grease separator, a part of the wastewater management system, is located in Building 1J.
- The slop water tank between Buildings 6 and 56 received plant wastewater.

During the site tour, the following observations were made:

- ❑ Ball mill pebbles were observed on the ground west of former Building 59.
- ❑ The area east of the UST tank field is used as an equipment lay down area.
- ❑ Demolition debris is stockpiled by the north fence in the operating area (south of Dibble Park).
- ❑ The area identified as Dibble Park had no visible evidence of waste management. However, the southeastern corner of Dibble Park, near the operating plant gate, was devegetated for no apparent reason. According to Mr. Cross, this area may have been used to store clean, empty drums used by the plant.

5.0 CONCLUSIONS

The area identified as Dibble Park has no record of industrial activity or releases. The southern part of the Toledo facility is the location of the manufacturing and other activities. This later area has several areas of potential environmental concern.

6.0 REFERENCES

A. T. Kearney, Inc., and DRA, Inc. March 1990. *Preliminary Review/Visual Site Inspection Report*, E. I. du Pont de Nemours, Inc., Toledo, Ohio. EPA ID No. OHD005041843.

Dames & Moore. April 19, 1990. *Draft Groundwater Protection Plan*, E. I. du Pont de Nemours & Co., Toledo, Ohio.

DuPont Environmental Remediation Services. January 18, 1996. *Container Storage Pad Closure Plan, DuPont Automotive Products, Toledo, Ohio*.

_____. January 18, 1996. *Tank 13 Closure Plan, DuPont Automotive Products, Toledo, Ohio*.

Ohio Environmental Protection Agency. September 30, 1993. *Director's Final Findings and Orders*.

FIGURES

SCALE 1:24,000

0 2000 4000 FEET

0 1 MILE

FIGURE 1	SITE LOCATION MAP			
	SCALE 1" = 2000'	DESIGNED BY	DRAWN BY SMF	CAD DRAWING NO
DUPONT	DATE 11/22/94	CHECKED	APPROVED	PROJECT NO 3267
	DuPont Automotive Products Toledo, Ohio			
	DuPont Environmental Remediation Services			

SOURCE: TOLEDO, OHIO QUADRANGLE 7.5' SERIES

APPENDIXES

HARRIS ST. MANHOLE IN MAIN SEWER LINE
LINE 7
LINE 12
PLUGGED
PLUGGED
PLUGGED
METER PIT
LINE 11
LINE 10
LINE 8
LINE 6
LINE 5
LINE 2
LINE 9
6" PIPE W/ WELL AND CITY WATER LINES
TREMAINSVILLE ROAD
FITCH ROAD
UPTON AVE.
SANITARY SEWER
STORM SEWER
RETENTION PITS
N
THIS DRAWING HAS BEEN FURNISHED BY E.I.DU PONT DE NEMOURS & CO. THE INFORMATION AND KNOW-HOW THEREON MAY NOT BE USED NOR THE DRAWING REPRODUCED WITHOUT THE WRITTEN PERMISSION OF DU PONT. ALL REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING VENDOR'S DRAWINGS, SHALL BEAR OR REFER TO THIS STAMP
STANDARDS USED
LATEST REVISION
E.I.DUPONT DE NEMOURS & CO.
TOLEDO PLANT TOLEDO, OHIO
SANITARY & STORM SEWER SYSTEM
Drawn By: R.L.SILVA
Approved By:
Bldg. No.:
Area: SERVICE
Scale: 1"=50'
Date: 1/15/91
T- 1322
NO. REVISION DATE
NO. REVISION DATE


HARRIS STREET
#59
#60
#62
#61
#53
#57
DRUM STORAGE
EMPLOYEE PARKING
LOT
#55
#54
#58
#48
#4
#12
#51
#3
T/W UNLOADING
NORTH
TANK FARM
#17
#63
#64
#1E
#1F
#1D
#1B
#1A
#2
#5
1G ALLEYWAY
#7
#6
#1J
#1C
#56
#52
TREMAINSVILLE ROAD
UPTON AVE.
N
#44A
#44B
RAW MATERIAL
STORAGE
WEST
TANK FARM
FITCH ROAD
STANDARDS USED
LATEST
REVISION
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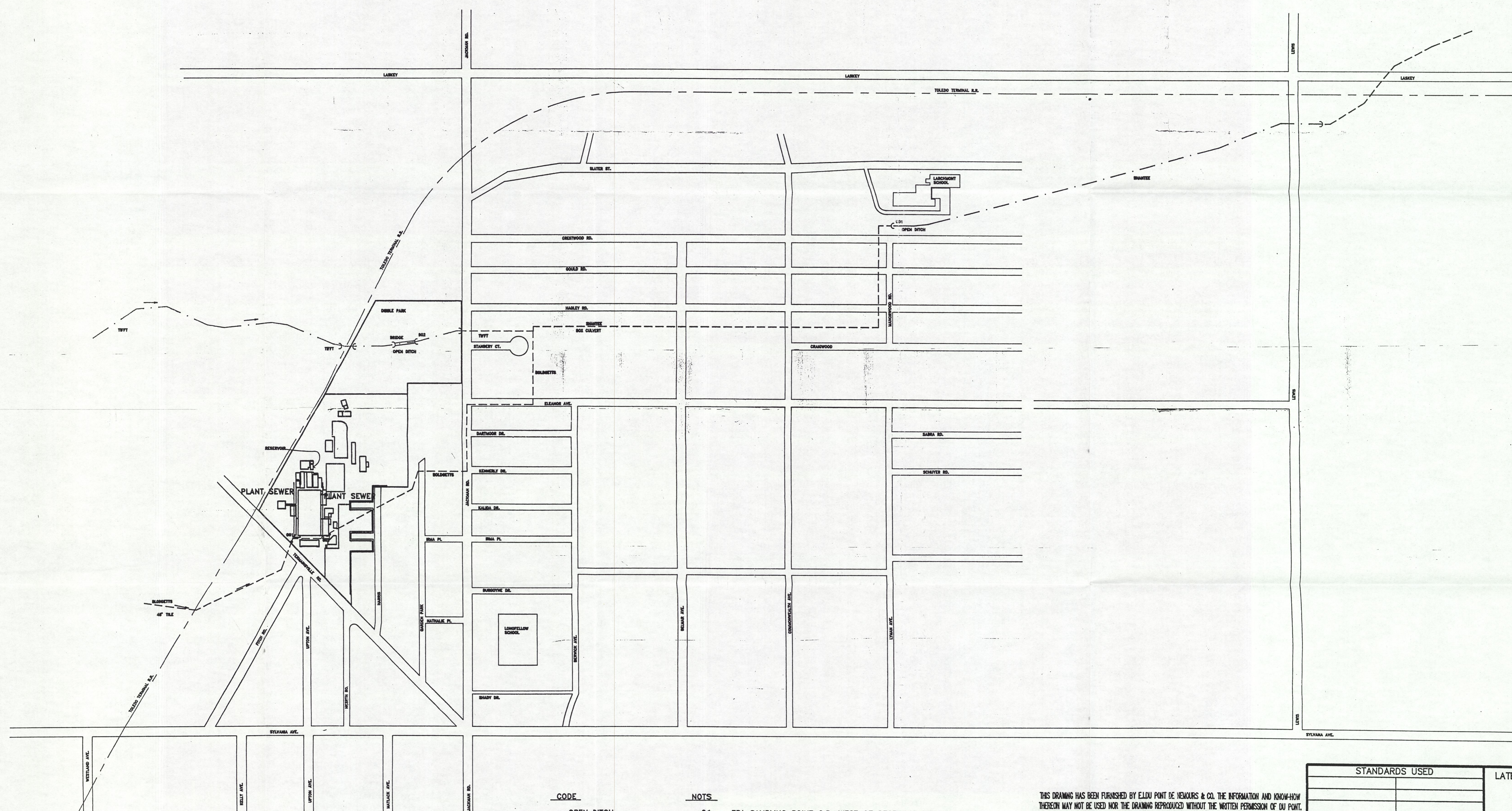
E.I.DUPONT DE NEMOURS & CO.
TOLEDO PLANT TOLEDO, OHIO
PLANT MAP
TOLEDO PLANT
LAT. N41°41'41"
LOG. W83°35'21"
TOTAL ACRES 37
TOTAL SqFt 218,334
NO. REVISION DATE NO. REVISION DATE
Drawn By: MRP
Approved By: M.R.PILE
Bldg. No.:
Area: SERVICE
Scale: 1"=50'
Date: 1/15/85
T- 997



CODE

— · — · — OPEN DITCH

- - - - - UNDER GROUND

NOTS

01 — EPA SAMPLING POINT C.B. WEST OF RECEIVING DEPT.

02 — EPA SAMPLING POINT M.H. WEST OF MECH. SHOP OFFICE

91 — EPA SAMPLING POINT — SHANTEE CREEK NEAR MANORWOOD AND CRESTWOOD

92 — EPA SAMPLING POINT — TIFFT DITCH AT BRIDGE IN DIBBLE PARK

STANDARDS USED		LATEST REVISION

NO.	REVISION	DATE	NO.	REVISION	DATE

E.I.DUPONT DE NEMOURS & CO.
TOLEDO PLANT TOLEDO, OHIO

DRAINAGE DITCH SYSTEM MAP

Drawn By: R.L.SILVA	Scale: NONE
Approved By: M.R.PILE	Date: 10/NOV/88
Bldg. No.:	
Area: MAP	T- T-747-G

Appendix A

SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN AND THEIR ASSOCIATED WASTE STREAMS

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
1	Tank 1	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Paint manufacturing	Tanks 9 and 10 (SWMUs 9 and 10) Sludge to Sludge Collection Area (SWMU 38)
2-8	Tanks 2-8	Stripped solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Resin manufacturing	Tank 13 (SWMU 13)
9-10	Tanks 9 and 10	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Tank 1 (SWMU 1)	Tanks 11 and 12 (SWMUs 11 and 12)
11-12	Tanks 11 and 12	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Tanks 9, 10, 15, and 14 (SWMUs 9, 10, 14, and 16)	Thin Film Evaporator (SWMU 18)
13	Tank 13	Stripped solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Tanks 2-8 (SWMUs 2-8)	Waste Boilers 3, 7, and 8 (SWMUs 55, 56, and 57)
14	Tank 15	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Portable tank cleaning	Tanks 11 and 12 (SWMUs 11 and 12)
15	Filling Floor Wash Solvent Tank 1	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Paint manufacturing	Dirty Wash Solvent Tank 14 (SWMU 16)
16	Dirty Wash Solvent Hold Tank 14	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Filling Floor Wash Tank Wash Tank 1 (SWMU 15) and Recirculation Solvent Tank (SWMU 52)	Thin Film Evaporator (SWMU 18)

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams (continued)

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
17	Tank 14 Containment Sump	Rainwater runoff	Has potential to receive constituents listed for SWMU 16. According to facility representatives, analyses indicate that the sump has never received hazardous waste constituents	Rainwater; potentially, spillage from Dirty Wash Solvent Tank 14 (SWMU 16)	Sanitary Sewer (SWMU 59) or Drum Storage Pad (SWMU 21) (depending on chemical analysis)
18	Thin Film Evaporator	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Dirty Wash Solvent Tank 14 (SWMU 16)	Recovered solvent to process; sludge to Indoor Sludge Drum Satellite Accumulation Storage Area (SWMU 31) and Old Sludge Drum Storage Area (SWMU 32)
19	Sludge Tank 3[1]	Dirty wash solvent sludge[1]	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium[1]	Thin Film Evaporator (SWMU 18)	Off-site incineration
20	Boiler Fuel Tank 4	Stripped solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Resin manufacturing	Waste Boilers 3, 7, and 8 (SWMUs 55, 56, and 57)
21	Drum Storage Pad	See Table 3	See Table 3	Drum Staging Area (SWMU 22)	Off-site landfill or incineration
22	Drum Staging Area	See Table 3	See Table 3	Satellite Accumulation Areas (SWMUs 23-30)	Drum Storage Pad (SWMU 21)
23-30	Satellite Accumulation Areas	See Table 3	See Table 3	Various manufacturing areas at the Toledo plant	Drum Staging Area (SWMU 22)

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams (continued)

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
31	Indoor Sludge Drum Satellite Accumulation Area	Solvent recovery sludge	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Thin Film Evaporator (SWMU 18)	Drum Storage Pad (SWMU 21)
32	Old Sludge Drum Storage Area	Solvent recovery sludge	Xylene, toluene, acetone, methylo ethyl ketone, naphtha, lead, chromium	Thin Film Evaporator (SWMU 18)	Drum Storage Pad (SWMU 21)
33	Contaminated Water Storage Area	Contaminated water	Xylene, toluene, acetone, methyl ethel ketone, naphtha, lead, chromium	Water Wash Spray Booth Sump (SWMU 41), Reactors 1, 2, 3, 4, and 5 Scrubbers (SWMUs 46 and 47), Reactor 7 Scrubber (SWMU 48), Tank Wagon Loading Area and Sump (SWMU 42, Tank Wagon Shed Trench (SWMU 43), and Resin Retention Basin (SWMU 45)	Formerly shipped off site. Facility plans to rent a portable wastewater treatment unit, pending laboratory analysis of a test run
34	Contaminated Water Storage Tank	Contaminated water	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Water Wash Spray Booth Sump (SWMU 41), Reactors 1, 2, 3, 4, and 5 Scrubbers (SWMUs 46 and 47), Reactor 7 Scrubber (SWMU 48), Tank Wagon Loading Area and Sump (SWMU 42, Tank Wagon Shed Trench (SWMU 43), and Resin Retention Basin (SWMU 45)	Formerly shipped off site. Facility plans to purchase or lease a portable wastewater treatment unit, pending laboratory analysis of a test run.

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams (continued)

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
35, 36	1a and 1b Baghouses	Waste pigment dust	Lead and chromium	Paint manufacturing	Drum Storage Pad (SWMU 21)
37	Industrial Waste Bins	Industrial and sanitary trash	No hazardous constituents	Paint manufacturing	Off-site industrial landfill
38	Sludge Collection Area	Dirty wash solvent sludge	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Tank 1 (SWMU 1)	Drum Storage Pad (SWMU 21)
39	Dry Spray Booth Filters	Used filters	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Laboratory dry spray booths	Drum Storage Pad (SWMU 21)
40	Liquid Waste Paint Portable Tank	Waste paint liquid	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Laboratory dry spray booth area	Drum Storage Pad (SWMU 21)
41	Waste Wash Spray Booth Sump	Contaminated water	Xylene, toluene, acetone, methyl ethel ketone, naphtha, lead, chromium	Laboratory water wash spray booth	Contaminated Water Storage Area (SWMU 33) or Contaminated Water Storage Tank (SWMU 34)
42	Tank Wagon Loading Area and Sump	Spillage and rain-water runoff[1]	May contain xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium[1]	Rainwater.	Sanitary Sewer (SWMU 59) or Drum Storage Pad (SWMU 21) (depending on chemical analysis)
43	Tank Wagon Shed Trench	Rainwater runoff	May contain xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Rainwater; potentially, spillage from tank wagon product loading operations	Sanitary sewer (SWMU 59) or Drum Storage Pad (SWMU 21) (depending on chemical analysis)

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams (continued)

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
44	Resin Spill Trenchs	Resin spillage	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Resin storage	Resin Retention Basin (SWMU 45)
45	Resin Retention Basin	Resin spillage and rainwater	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Rainwater and Resins Spill Trench	Sanitary Sewer (SWMU 59) or Drum Storage Pad (SWMU 21) (depending on chemical analysis)
46, 47	Reactors 1, 2, 3, 4, and 5 Scrubbers Systems	Caustic wash water	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Reactors 1, 2, 3, 4, and 5	Contaminated Water Storage Area (SWMU 32) and Contaminated Water Storage Tank (SWMU 34)
48	Resin Reactor 7 Scrubber	Caustic wash water	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Reactor 7	Contaminated Water Storage Area (SWMU 32) and Contaminated Water Storage Tank (SWMU 34)
49	Reactors 1, 2, 3, 4, and 5 Catch Tank	Potential to receive over-flows from the reactors	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Reactors 1, 2, 3, 4, and 5	No waste stream has yet been generated
50	Reactor 7 Catch Tank	Potential to receive reactor overflow	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Reactor 7	No waste stream has yet been generated
51	Mop Water Tank	Floor washings	Could potentially contain xylene, toluene, methyl ethyl ketone, naphtha, lead, chromium	Floor washings from plant manufacturing areas	Sanitary Sewer (SWMU 59)

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams (continued)

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
52	Recirculation Solvent Tank	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Portable tank cleaning	Dirty Wash Solvent Tank 14 (SWMU 16)
53	Former Recirculation Solvent Tank	Dirty wash solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Portable tank cleaning	Dirty Wash Solvent Tank 14 (SWMU 16)
54	Equipment Cleaning Sump	Caustic wash water	Xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Small equipment cleaning	Sanitary Sewer (SWMU 59) or Drum Storage Pad (SWMU 21) (depending on chemical analysis)
55, 56, 57	Waste Boilers 3, 7, and 8	Stripped solvent	Xylene, toluene, acetone, methyl ethyl ketone, naphtha	Boiler Fuel Tank 4 (SWMU 20)	Burned in waste boilers
58	Cooling Tower Basin	Non-contact cooling water	No hazardous constituents	Two on-site water wells	NPDES outfalls 001 and 002
59	Sanitary Sewer	Sanitary wastewater	May potentially contain small amounts of xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Sanitary drains are located throughout the plant; SWMUs which discharge to the sewer include the Tank 14 Containment Sump (SWMU 17), Tank Wagon Loading and Sump Area (SWMU 42), Tank Wagon Shed Trench (SWMU 43),	City of Toledo wastewater treatment plant

Table E-1. Solid Waste Management Units, Areas of Concern, and Associated Waste Streams (continued)

SWMU/ AOC No.	SWMU/ AOC Name	Waste	Constituents	Source	Waste Disposition
59	Sanitary Sewer (continued)			Resin Retention Basin (SWMU 45), Mop Water Tank (SWMU 51), Equipment Cleaning Sump (SWMU 54), Condensate Tank (SWMU 62), and Resin Distillate Tank (SWMU 63).	
60	Storm Sewer	Rainwater runoff	May potentially contain small amounts of xylene, toluene, acetone, methyl ethyl ketone, naphtha, lead, chromium	Storm sewer drains are located throughout the plant	NPDES Outfalls 001 and 002
61	Asbestos Dumpster	Asbestos	Asbestos	Throughout the plant	Off-site disposal
62	Condensate Tank	Condensate	Acetone, methyl ethyl ketone	Thin Film Evaporator (SWMU 18)	Sanitary Sewer (SWMU 59)
63	Resin Distillate Tank	Condensate	Acetone, methyl ethyl ketone	Resin manufacturing area	Sanitary Sewer (SWMU 59)
A	Former Fuel UST Area	---	---	UST	---
B	North Property Area	---	---	---	---

1 The Sludge Tank 3 (SWMU 19) has not yet been put into service, pending the completion of overhead piping. Once the Sludge Tank 3 begins operating, sludge will be pumped from the tank to tank wagons in the Tank Wagon Loading Area and Sump (SWMU 42).

Appendix B

CERCLIS QUERY RESULTS AND TRIS QUERY RESULTS

CERCLIS Query Results

You submitted the following name/value pair:

- Location Option Selected: city_name
- Location Entered: Toledo, OH

CERCLIS Query Result Set

CER_FAC_ID	SITE_NAME	STREET_NAME
OHD980611305	TREASURE ISLAND LDFL/MANHATTAN DUMP	COUNTER & KALAMAZOO & YO
OHD980615934	XXKEM SITE/INCORPORATED CRAFTS/ROBERT	3903 STICKNEY
OHD000605956	STICKNEY AVE. LDFL AKA TOLEDO CITY LDFL	3900 STICKNEY AVE
OHD005034459	OWENS-ILLINOIS LIBBEY PLT 27	940 ASH ST
OHD005035670	TOLEDO PLATE & WINDOW GLASS	1042 UTICA ST.
OHD980509905	DURA AVENUE LANDFILL AKA TOLEDO CITY LDF	DURA AVE
OHD980510523	TYLER STREET DUMP	TYLER ST
OHD980586804	XXKEM COMPANY, INC SITE	3903 STICKNEY AVENUE
OHD980611636	NORTH COVE LDFL AKA CITY OWNED DUMP	FOOT OF DREXEL DR I-75 &
OHD980613566	LEAD BATTERY RECYCLERS	5715 ANGOLA ROAD
OHD987041902	BASSETT STREET WAREHOUSE	600 BASSETT STREET
OHD987049202	TOLEDO TIE TREATMENT PLANT	ARCO INC. PARK S., FRENC
OHD987049210	WILLY'S PARK LANDFILL	NORTH COVE BLVD
OHD987046265	IMPACT STAMPING SITE	5511 TELEGRAPH RD
OH0000382168	MANHATTAN DUMP AKA MIRACLE PARK	2020 MANHATTAN BLVD

Number of Matches: 15

TRIS Query Results

Query Selections

Zipcode Containing: 43613

Output Type Selected: Basic Facility Information

BASIC FACILITY INFORMATION

TRIS ID	EPA ID	FACILITY NAME 1	FACILITY NAME 2	STREET	CITY	CO
43613DPNT 1930T	OHD005041843	DU PONT	TOLEDO PLANT	1930 TREMAINSVILLE RD.	TOLEDO	LU
43613RSTLT5540J	OHD987022944	ERIE STEEL TREATING INC.		5540 JACKMAN RD.	TOLEDO	LU
43613VRMNF4117F	OHD005034640	FROSTBITE BRANDS INC.		4117 FITCH RD.	TOLEDO	LU

Total Number of Records Retrieved: 3

TRIS Query Results

Query Selections

Zipcode Containing: 43613

Year Selected: 1993

Output Type Selected: Amount and Names of Chemicals Released to Groundwater

TRIS FACILITY ID NUMBER: 43613DPNT 1930T
EPA FACILITY ID NUMBER: OHD005041843
FACILITY NAME 1: DU PONT
FACILITY NAME 2: TOLEDO PLANT
STREET: 1930 TREMAINSVILLE RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 43613

LIST OF CHEMICALS RELEASED TO GROUNDWATER FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	DOC. CTRL. NUM
ACETONE	000067641	0		1393070057839OH
ACRYLIC ACID	000079107	0		1393070057841OH
BARIUM COMPOUNDS	N040	0		1393070057854OH
BUTYL ACRYLATE	000141322	0		1393070057866OH
GLYCOL ETHERS	N230	0		1393070057878OH
METHANOL	000067561	0		1393070057880OH
METHYL ACRYLATE	000096333	0		1393070057892OH
METHYL METHACRYLATE	000080626	0		1393070057904OH
N-BUTYL ALCOHOL	000071363	0		1393070057916OH
STYRENE	000100425	0		1393070057928OH
TOLUENE	000108883	0		1393070057930OH
XYLENE (MIXED ISOMERS)	001330207	0		1393070057942OH

TRIS FACILITY ID NUMBER: 43613RSTLT5540J

EPA FACILITY ID NUMBER: OHD987022944
FACILITY NAME 1: ERIE STEEL TREATING INC.
FACILITY NAME 2:
STREET: 5540 JACKMAN RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 436132330

LIST OF CHEMICALS RELEASED TO GROUNDWATER FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	DOC. CTRL. NUM
AMMONIA	007664417	0		1393070170307OH

TRIS FACILITY ID NUMBER: 43613VRMNF4117F
EPA FACILITY ID NUMBER: OHD005034640
FACILITY NAME 1: FROSTBITE BRANDS INC.
FACILITY NAME 2:
STREET: 4117 FITCH RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 43613

LIST OF CHEMICALS RELEASED TO GROUNDWATER FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	DOC. CTRL. NUM
AMMONIA	007664417	0		1393070370705OH
PHOSPHORIC ACID	007664382	0		1393070370729OH

Number of Facilities Found: 3

Total Number of Releases: 15

TRIS Query Results

Query Selections

Zipcode Containing: 43613

Year Selected: 1993

Output Type Selected: Amount and Names of Chemicals Released to the Land Surface

TRIS FACILITY ID NUMBER: 43613DPNT 1930T
EPA FACILITY ID NUMBER: OHD005041843
FACILITY NAME 1: DU PONT
FACILITY NAME 2: TOLEDO PLANT
STREET: 1930 TREMAINSVILLE RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 43613

LIST OF CHEMICALS RELEASED TO THE LAND SURFACE FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	LAND DISPOSAL CODE	DOC. CTRL. NUM
ACETONE	000067641	0		D02	1393070057839OH
ACETONE	000067641	0		D03	1393070057839OH
ACETONE	000067641	0		D05	1393070057839OH
ACETONE	000067641	0		D99	1393070057839OH
ACRYLIC ACID	000079107	0		D02	1393070057841OH
ACRYLIC ACID	000079107	0		D03	1393070057841OH
ACRYLIC ACID	000079107	0		D05	1393070057841OH
ACRYLIC ACID	000079107	0		D99	1393070057841OH
BARIUM COMPOUNDS	N040	0		D02	1393070057854OH
BARIUM COMPOUNDS	N040	0		D03	1393070057854OH
BARIUM COMPOUNDS	N040	0		D05	1393070057854OH
BARIUM COMPOUNDS	N040	0		D99	1393070057854OH
BUTYL ACRYLATE	000141322	0		D02	1393070057866OH
BUTYL ACRYLATE	000141322	0		D03	1393070057866OH

BUTYL ACRYLATE	000141322	0		D05	1393070057866OH
BUTYL ACRYLATE	000141322	0		D99	1393070057866OH
GLYCOL ETHERS	N230	0		D02	1393070057878OH
GLYCOL ETHERS	N230	0		D03	1393070057878OH
GLYCOL ETHERS	N230	0		D05	1393070057878OH
GLYCOL ETHERS	N230	0		D99	1393070057878OH
METHANOL	000067561	0		D02	1393070057880OH
METHANOL	000067561	0		D03	1393070057880OH
METHANOL	000067561	0		D05	1393070057880OH
METHANOL	000067561	0		D99	1393070057880OH
METHYL ACRYLATE	000096333	0		D02	1393070057892OH
METHYL ACRYLATE	000096333	0		D03	1393070057892OH
METHYL ACRYLATE	000096333	0		D05	1393070057892OH
METHYL ACRYLATE	000096333	0		D99	1393070057892OH
METHYL METHACRYLATE	000080626	0		D02	1393070057904OH
METHYL METHACRYLATE	000080626	0		D03	1393070057904OH
METHYL METHACRYLATE	000080626	0		D05	1393070057904OH
METHYL METHACRYLATE	000080626	0		D99	1393070057904OH
N-BUTYL ALCOHOL	000071363	0		D02	1393070057916OH
N-BUTYL ALCOHOL	000071363	0		D03	1393070057916OH
N-BUTYL ALCOHOL	000071363	0		D05	1393070057916OH
N-BUTYL ALCOHOL	000071363	0		D99	1393070057916OH
STYRENE	000100425	0		D02	1393070057928OH
STYRENE	000100425	0		D03	1393070057928OH
STYRENE	000100425	0		D05	1393070057928OH
STYRENE	000100425	0		D99	1393070057928OH
TOLUENE	000108883	0		D02	1393070057930OH
TOLUENE	000108883	0		D03	1393070057930OH
TOLUENE	000108883	0		D05	1393070057930OH
TOLUENE	000108883	0		D99	1393070057930OH
XYLENE (MIXED ISOMERS)	001330207	0		D02	1393070057942OH

XYLENE (MIXED ISOMERS)	001330207	0		D03	1393070057942OH
XYLENE (MIXED ISOMERS)	001330207	0		D05	1393070057942OH
XYLENE (MIXED ISOMERS)	001330207	0		D99	1393070057942OH

TRIS FACILITY ID NUMBER: 43613RSTLT5540J
EPA FACILITY ID NUMBER: OHD987022944
FACILITY NAME 1: ERIE STEEL TREATING INC.
FACILITY NAME 2:
STREET: 5540 JACKMAN RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 436132330

LIST OF CHEMICALS RELEASED TO THE LAND SURFACE FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	LAND DISPOSAL CODE	DOC. CTRL. NUM
AMMONIA	007664417	0		D02	1393070170307OH
AMMONIA	007664417	0		D03	1393070170307OH
AMMONIA	007664417	0		D05	1393070170307OH
AMMONIA	007664417	0		D99	1393070170307OH

TRIS FACILITY ID NUMBER: 43613VRMNF4117F
EPA FACILITY ID NUMBER: OHD005034640
FACILITY NAME 1: FROSTBITE BRANDS INC.
FACILITY NAME 2:
STREET: 4117 FITCH RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 43613

LIST OF CHEMICALS RELEASED TO THE LAND SURFACE FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	LAND DISPOSAL CODE	DOC. CTRL. NUM
AMMONIA	007664417	0		D02	1393070370705OH
AMMONIA	007664417	0		D03	1393070370705OH
AMMONIA	007664417	0		D05	1393070370705OH
AMMONIA	007664417	0		D99	1393070370705OH
PHOSPHORIC ACID	007664382	0		D02	1393070370729OH
PHOSPHORIC ACID	007664382	0		D03	1393070370729OH
PHOSPHORIC ACID	007664382	0		D05	1393070370729OH
PHOSPHORIC ACID	007664382	0		D99	1393070370729OH

Number of Facilities Found: 3

Total Number of Releases: 60

TRIS Query Results

Query Selections

Zipcode Containing: 43613

Year Selected: 1993

Output Type Selected: Amount and Names of Chemicals Released to the Surface Water

TRIS FACILITY ID NUMBER: 43613RSTLT5540J
EPA FACILITY ID NUMBER: OHD987022944
FACILITY NAME 1: ERIE STEEL TREATING INC.
FACILITY NAME 2:
STREET: 5540 JACKMAN RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 436132330

LIST OF CHEMICALS RELEASED TO SURFACE WATER FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	DOC. CTRL. NUM	STORM WATER APPL. FLAG	STORM WATER PERC.
AMMONIA	007664417	0		1393070170307OH		0

TRIS FACILITY ID NUMBER: 43613VRMNF4117F
EPA FACILITY ID NUMBER: OHD005034640
FACILITY NAME 1: FROSTBITE BRANDS INC.
FACILITY NAME 2:
STREET: 4117 FITCH RD.
CITY: TOLEDO
COUNTY: LUCAS
STATE: OH
ZIP CODE: 43613

LIST OF CHEMICALS RELEASED TO SURFACE WATER FOR THE YEAR 1993

CHEMICAL NAME	CAS NUM.	RELEASE AMOUNT (LBS/YR)	RELEASE BASIS CODE	DOC. CTRL. NUM	STORM WATER APPL. FLAG	STORM WATER PERC.
AMMONIA	007664417	0		1393070370705OH		0
PHOSPHORIC ACID	007664382	0		1393070370729OH		0

Number of Facilities Found: 2

Total Number of Releases: 3

Appendix C

CORPORATE LIABILITY ASSESSMENT QUESTIONNAIRE

PREINSPECTION QUESTIONNAIRE

(To Be Completed For Each Site)

This questionnaire is designed to be answered with short answers and readily available information. Attachments are encouraged. Where the requested information is not applicable, please indicate with the notation N/A.

GENERAL INFORMATION

G1. Documents

Please attach copies of the following:
o A map of the area in the vicinity of the plant.
o A plant map/plot plan.
o An aerial photograph of the plant site, if available.

G2. Plant/facility name and address:

G3. Plant manager (name/title):

Environmental manager (name/title):

G4. Product(s) manufactured:

G5. List the primary raw materials received and stored on the site.

G6. Brief history of the site (former owners, products manufactured in the past, etc):

ENVIRONMENTAL - GENERAL

E1. Environmental Setting of Plant:

- o Name, population, and distance to the nearest town/city/community?

- o Name of industrial neighbors and nature of business?

- o Describe any sensitive environmental areas in the immediate vicinity of the plant. (Examples might include botanical gardens 1/4 mile from plant fence-line, major wetlands, people living at fence-line, etc).

E2. Litigation Status

- o Is the plant involved in any active litigation under environmental regulations or statutes?

- o If plant operations are subject to any consent orders executed under environmental statutes, please summarize.

HAZARDOUS WASTE

(Excluding Refuse and Trash)

H1. Documents

Please provide copies of the following:

- o Notification of Hazardous Waste Activity and Part A Application, if applicable.
- o Block flow diagrams of any plant hazardous waste treatment or disposal facilities (current or proposed).

H2. If RCRA hazardous wastes are treated, stored, or disposed on the plant site, what is the status of your permit (eg, Interim Status, Part B called)? What is the status of the corrective action program required under Section 3004(u)?

H3. What is the status of any petitions submitted to have specific hazardous wastes delisted from the RCRA process (eg, temporary exclusion granted, etc)?

H4. How were the RCRA hazardous wastes managed before the effective date of the RCRA regulations?

H5. If hazardous wastes are transported off-site for recycle, treatment, or disposal, please provide the following information for each type of operation.

Waste Description	Vendor Service	Annual Tonnage	Vendor Name
Ex: Plate Sludge (F0006)	Landfill	1,000 tons/yr	Chem Waste Mgmt Emelle, AL
Waste TCE	Recycle	10,000 tons/yr	XYZ Solvents

H6. How are wastes transported to off-site vendors? (Check applicable spaces.)

___ Company-owned vehicles
___ Disposer-owned vehicles
___ Third party haulers
___ Other (Describe)

H7. If any agency has conducted a formal RCRA inspection of plant operations, which items remain open or unresolved?

GROUND WATER

GW1. What are the uses of ground water in the site vicinity?

GW2. If you have formally assessed the potential for ground water contamination at the plant site, briefly describe your conclusions.

GW3. Do you have a permit to operate an injection well to dispose of nonhazardous waste? Who is the permitting authority (EPA, state, local)? Are there facilities to treat, store, and dispose of these wastes associated with the injection well?

GW4. If ground water quality is being actively **monitored** at the plant site, what has that program shown to date?

GW5. If ground water contamination is being **investigated**, check the description that most accurately describes the program:

___ A self-driven voluntary program
___ A state-agency-driven program
___ An EPA-driven program
    (specify program authority, eg, Part 265.93)
___ Other
___ No program

GW6. If a ground water remediation program is being conducted, check the most appropriate description:

___ A self-driven voluntary program
___ A state-agency-driven program
___ An EPA-driven program
    (specify program authority, eg, Part 264.100)
___ Other
___ No program

NONHAZARDOUS WASTE

NH1. If industrial or solid wastes (exclusive of trash or simple refuse) are generated at the site that are not classified as hazardous wastes, please describe and give amounts.

How have you determined that such wastes are nonhazardous?

NH2. How are these wastes managed on-site?

NH3. If nonhazardous wastes are shipped off-site for vendor handling or disposal, which wastes, and what is the method of handling or disposal?

NH4. What is the permitting status of the nonhazardous waste management facilities on the plant site?

NH5. Were any of these wastes handled in a substantially different way in the near past? Please describe.

NH6. Would any of the nonhazardous waste management facilities be subject to scrutiny under the continuing releases provisions of RCRA? Please describe.

WATER POLLUTION CONTROL

W1. Documents

Please attach copies of the following:

- o A block flow diagram of the plant's wastewater treatment facilities.
- o A copy of the plant's NPDES (or state equivalent) permit and the application for such permit.
- o A copy of any other wastewater treatment or disposal permits (eg, spray irrigation, UIC, evaporation ponds, etc).
- o If wastewaters are discharged to a municipal wastewater system, a copy of the municipal discharge permit (if any). Also, please include a copy of the city sewer regulations.

W2. What is the name of the receiving water into which the plant discharges wastewaters? If the principal discharge is to a municipal system, where does the municipality discharge?

W3. What are the major pollutants in the plant discharges? Please give type and amounts.

W4. Who is the primary permitting authority for the discharges?

___ U.S. EPA
___ State
___ Regional Authority
___ Municipality

W5. Which plant manufacturing operations are required, fully or in part, to meet Final Effluent Guidelines issued under the Clean Water Act?

W6. Have there been any new processes added to the plant, or significant modifications of existing processes since the discharge permit request was filed?

If so, has the plant informed permitting officials of these changes?

AIR POLLUTION CONTROL

A1. Documents

Please attach copies of the following:

- o An emission inventory for all regulated pollutants for the most recent year.
- o A listing of all air emission permits held by the plant showing the following: permit ID, date issued, source ID, and major contaminant emission and rate.
- o Any Delayed Compliance Orders, consent decrees or similar documents that delay compliance dates or modify regulatory requirements.
- o Table of contents from Emergency Release Contingency Plan.

A2. If any pollutants are manufactured, stored, or emitted which require compliance with Section 112 (Hazardous Air Pollutants) of the Clean Air Act, please list those pollutants.

A3. What is the attainment status for criteria pollutants in the local air quality region?

A4. What is the status of the state toxic air pollutant regulations?

A5. Which sources require visible emissions control?

A6. Does the plant engage in surface coating, degreasing, or other operations that have explicit coverage in state regulations?

A7. Has the site received any citations, Notice of Violation (NOV), or fines for air emission exceedance or emergency releases?

A8. Do you have any sources of air emissions currently not permitted, or are exempted by virtue of insignificant (diminimus) quantity, etc?

CERCLA

Comprehensive Environmental Response, Compensation and Liability Act (Superfund)

C1. Documents

Please attach a copy of your most recent SARA Title III submission.

C2. During the past 12 months, have you reported any release of a hazardous substance to the National Response Center? If so, what was the nature of the report(s)?

C3. If the releases were investigated by the EPA, Coast Guard, or other governmental agency, what was their determination?

C4. If the plant has been identified as a potentially responsible party at a "Superfund" site or state equivalent, indicate the sites.

C5. Is the plant listed on the National Priority List (NPL) or has it been proposed for inclusion on the NPL?

C6. If you filed an Eckhard Survey in 1978-79, please supply a copy.

C7. If you filed a 103(c) notice under CERCLA, please supply a copy.

TOXIC SUBSTANCES CONTROL ACT (TSCA)

T1. Do you have any PCBs in use at the site (any substances that contain 50 ppm or greater of PCBs because of dilution)? Please identify the sources and quantities.

T2. Have you disposed of PCBs? Please furnish a copy of the report prepared for last calendar year for PCBs handled at the site.

T3. Are all products, intermediates, and raw materials listed on the TSCA inventory? Please provide an explanation for any that are not.

T4. Have you provided EPA with any premanufacturing notification for new chemical substances manufactured or imported for this site? If so, provide nonconfidential information on the notice.

T5. Are any chemicals being manufactured at the site under a section 5(e) Consent Order? If so, provide information.

DRINKING WATER --
SAFE DRINKING WATER ACT OF 1974 (SDWA)

DW1. If the site operates a water supply system subject to regulation under the SDWA, list any violations reported to EPA or state agency during the last 12 months.

Lisa Hamilton
Senior Consulting Hydrogeologist
Wilmington, DE 19898

PREINSPECTION QUESTIONAIRE

G1. Attachments 1 & 2; Cannot mail Attachment 3 (aerial photo).

G2. DuPont Toledo AP
1930 Tremainsville Rd.
Toledo, Ohio 43613

G3. Eric Melin, Plant Manager
Robert A. Yager, Environmental Coordinator

G4. Automotive Paints & Resin Manufacturing

G5. Attachment 4

G6. There's a good summary in the Dames & Moore report but briefly, Mountain Paint and Varnish were owners of the site from 1919 to 1934. DuPont acquired site in 1934. The Peterson Bdlg. and property was acquired in 1978. History as known has been that the site has been in the manufacture of varnishes, paints and resins since it was built in 1919. The Peterson Bldg. was used for various business activities such as, engineering, technical and analytical labs. But it is thought that at some point it was used to manufacture nail polish.

E1. o Located in Toledo, Lucus County, Ohio. Bordered by Harris Street and Jackman Rd. to the east, Tremainsville Rd. to the south, and railroad tracks to the west and north.

o Except for some gas stations, Vroman foods (ice cream food products), and some small businesses, there are no significant industrial manufacturing sites within close proximity to the site. Approximately 2 miles away there is a large Hydramatic Transmission Plant (GM), a General Mills Plant, and Libbey Owens Ford.

o There are residence living right next to the fence line on Harris Street. On the other side, by the railroad tracks, there is a business that sells Plants, seeds and other landscaping products called Black Diamond. Behind and adjacent to the Plant is a park called Bowman Park and Start High School. Not far to the north and west of us is a YMCA Facility. Attachment 5 is a list that was submitted to the LEPC recently of the Vulnerability Zone surrounding the Site.

E2. o Rad Mead and Ross Austin are involved in litigations involving the Dura Landfill.

There has been two Notices of Violation recently the have been answered and are currently still being addressed. One is for our Partial Closure events not being completed in a timely manner; the other is for a temperature violation of our NPDES permit at one of our outfalls.

o Not applicable

H1. o Attachment 6

o Not applicable. We have a Solvent Recovery Unit for reclamation of solvent but that is RCRA exempt.

H2. We were in the process of revising our Part B permit to comply to Ohio EPA requests up until March 19th, 1992, at which time a letter was sent to the Director of the Ohio EPA stating our decision to withdraw from the Part B permit and to begin a 3 year Closure activity. We will have to submit a Closure Plan for the Container Storage area mentioned in the Part A application soon.

H3. Not applicable.

H4. They were handled in landfills, such as Dura and Stevens.

H5. Information from 1991 CSWIS report

Waste Description	Vendor Service	Annual Tonnage	Vendor Name
Paint Contaminated	Incinerator	149 ton/yr	Rineco
Waste Resins	Fuels Blending	135 ton/yr	Systech
Paint Sludge	Fuels Blending	1255 ton/yr	Systech
Strip Solvent	Fuels Blending	533 ton/yr	Systech
Waste Water	Incineration/ Fuels Blending	200 ton/yr	Ross Systech

H6. Third Party Haulers

H7. Just had a RCRA inspection on 4-7-92. No results in writing as of yet. Partial Closure is still definitely an open issue.

GW1. The Ohio Geological Survey Division of Water has no records of any water wells within 1-1/2 to 2 mile radius of our Site. However, neither did they have any record of the wells on our Site. Groundwater wells in Toledo are from 100 to 150 feet below the surface. The groundwater flow direction in the carbonate aquifer is to the southeast and is a water source in other parts of Toledo. (source: Dames & Moore)

GW2. As you have seen from the copy of the Dames & Moore report that was sent to you, we do have a potential for ground water contamination at the Site. General feelings are that it will have to be addressed during closure activities. I have some personal concerns if you don't mind hearing them. I'm not a hydrogeologist but I have a basic understanding of ground water and well influence on ground water. I have had a concern for some time around what might happen when we discontinue drawing the large quantity of water that we use at this site. In other words, if we discontinue pumping ground water at the current rate, will that affect the migration of possible contaminants? In looking at the Dames & Moore report, you'll note some observations made when excavating an underground tank of some solvents and/or oil in the ground water. This and the fact that we are very near a 100 year flood plane, is one of the reasons I suspect there is most certainly contamination of the ground water. It would seem important that we put in ground water monitoring wells very soon, before any major closure activities. Dames & Moore has recently contacted me and would like to come and talk to us about initiating their proposals with a few changes now that we are closing. With D.R. Azema's OK, I'm intending to have them come out again in the next week or so to give us a new proposal. If this is not acceptable, please send me a note through EMAIL or mail ASAP.

GW3. No.

GW4. Not applicable.

GW5. A self-driven voluntary program.

GW6. No Program.

SWMU

NH1. We have a compactor for industrial trash. That trash includes fiber barrels from pigments, paper cups with dried paint and millbases, disposable wipers with dried paint and millbases, etc. For a time it was plant practice to add zorb-all to paint-contaminated cans and to put in this compactor. 1991 industrial solid waste was 645,000 pounds.

I am uncertain how it was handled previously. Tony Parchomenko says that it was determined by "observation" by him in recent times until he left the Environmental group. We have a person assigned to the trash dock that monitors what goes in that compactor. I cannot tell you in any "analytical terms" what goes in there and how it is determined non-haz. I have recently received copies from the Lab at the Evergreen Landfill of their QA/QC protocol. I've included that as Attchment 14. During our RCRA audit (4-7-92), the EPA expressed their concerns that the paint contaminated disposable wipers may not pass a TCLP. We are sending some samples on 4-9-92 to Ponca City Lab for testing.

NH2. In the Lab areas, "dry", non-haz. trash and "wet", haz. trash is separated. The dry goes to the compactor mentioned in NH1. The Grinding Floor and Resin areas put their empty fiber drums and bags from pigments in the same compactor. And any trash that the Container Operator (Trash Dock person) deems is a non-haz. waste. Commercial wastes are handled differently. Recyclables and Cafeteria wastes are in separate bins.

NH3. The wastes described above in the compactor go to the Evergreen landfill (Waste Management, Inc.). Some commerial wastes are sent for recycling. Scrap metals go to a separate vendor. Asbestos goes to the BFI landfill. Medical wastes go to a BFI incinerator. Non-contact cooling water goes to the Storm Sewer (NPDES).

NH4. We are permitted, through our NPDES permit to discharge non-contact cooling water to the Storm Sewers. We no longer discharge any wastes to either sewer system. Other than that, there are no non-hazardous permits at this Site.

NH5. We used to discharge, by permit, our Slop Water tank contents to the sewer. As stated above, we no longer discharge any wastes to either sewer. This was discontinued in August of 1990.

NH6. It appears that the contents of our Industrial Compactor is already under scrutiny. I believe everything else could pass scrutiny. We can show that everything that used to be piped to the sewers is now disconnected.

W1.
- o Not applicable
- o Attachment 7
- o Attachment 8 is a copy of a water treatment permit that we obtained. The unit described did not work out and we currently are not treating waste water on Site.
- o Attachment 9. We no longer discharge any process wastes to the city sewers.

W2. As described in the Dames & Moore report: Surface water (Storm Sewer) discharge to Blogetts Creek, to Tifft Creek, to Shantee Creek which ultimately goes to the Ottawa River and to Lake Erie. The Sanitary Sewer goes to the City POTW which discharges to the Maumee River which empties into the Maumee Bay and Lake Erie.

W3. As stated above, we no longer discharge to the sewers, except for non-contact cooling water to the Storm and regular sewage (restroom facilities) to the Sanitary.

W4. Municipality and State

W5. Just our cooling tower (reservoir) for the cooling of our non-contact water before it enters the Storm Sewer.

W6. No.

A1. o SARA 313 information in Attachment 10.
o
  a. Air pollution source permit #0448010058-B001
  b. Air pollution source permit #0448010058-B002
  c. Air pollution source permit #0448010058-B003
  d. Air pollution source permit #0448010058-B004
  e. Air pollution source permit #0448010058-B005
  f. Air pollution source permit #0448010058-P001
  g. Air pollution source permit #0448010058-P002
  h. Air pollution source permit #0448010058-P003
  i. Air pollution source permit #0448010058-P004
  j. Air pollution source permit #0448010058-P005
  k. Air pollution source permit #0448010058-P006
  l. Air pollution source permit #0448010058-P007
  m. Air pollution source permit #0448010058-K001

* See attachments 11 for ID & issue date.
Attachment 10 shows emission rates.

o Not applicable
o Attachment 12

A2. Attached is a list- not yet regulated in SIC 2851. Attachment 13.

A3. Attainment status.

A4. Not certain. But expect they are current with Federal regulations.

A5. Dust Collectors.

A6. No.

A7. No.

A8. E-Building Resin Storage Tanks.

C1. Attachment 10.

C2. A Dowtherm release. RQ is 1 lb. for phenol. Dowtherm is approx. 25% phenol, making 4#s of product reportable. We had an approximate 20# release.

C3. The City Division of Pollution Control came on site and were satisfied with our actions and response to the release. The City Fire Department and LEPC were also satisfied.

C4. The Dura Landfill is not a Superfund site but we are PRPs involved in those litigations. We were also involved in the Stevens landfill. DuPont just lost an appeal in that case and will most likely pay the cost of cleaning that site.

C5. Not to my knowledge.

C6. No knowledge of filing this. See note from Rad Mead in EMAIL.

C7. Also, no knowledge of this.

T1. In 35 capacitors.

T2. Approximately seven years ago we disposed of PCBS according to Corporate guidelines. That is, the contents were properly disposed of, the equipment was rinsed, left for one year and then disposed of.

T3. All but one were quarantined since 10/21/91. KG-10664, 764-DG135, 40F-76542. PMN submission status: Release date, 4/29/92.

T4. KG-10664 is accepted. G.J. Patterson (Wilmington) did issue of the PMN 1/30/92.

T5. No.

DW1. None.

Appendix D

PHOTOGRAPHS FROM MARCH 28, 1996, SITE TOUR

DEVEGETATED AREA IN DIBBLE PARK

WEATHERED CONCRETE FOUNDATION IN DIBBLE PARK

OLD PIPE SECTION IN DIBBLE PARK

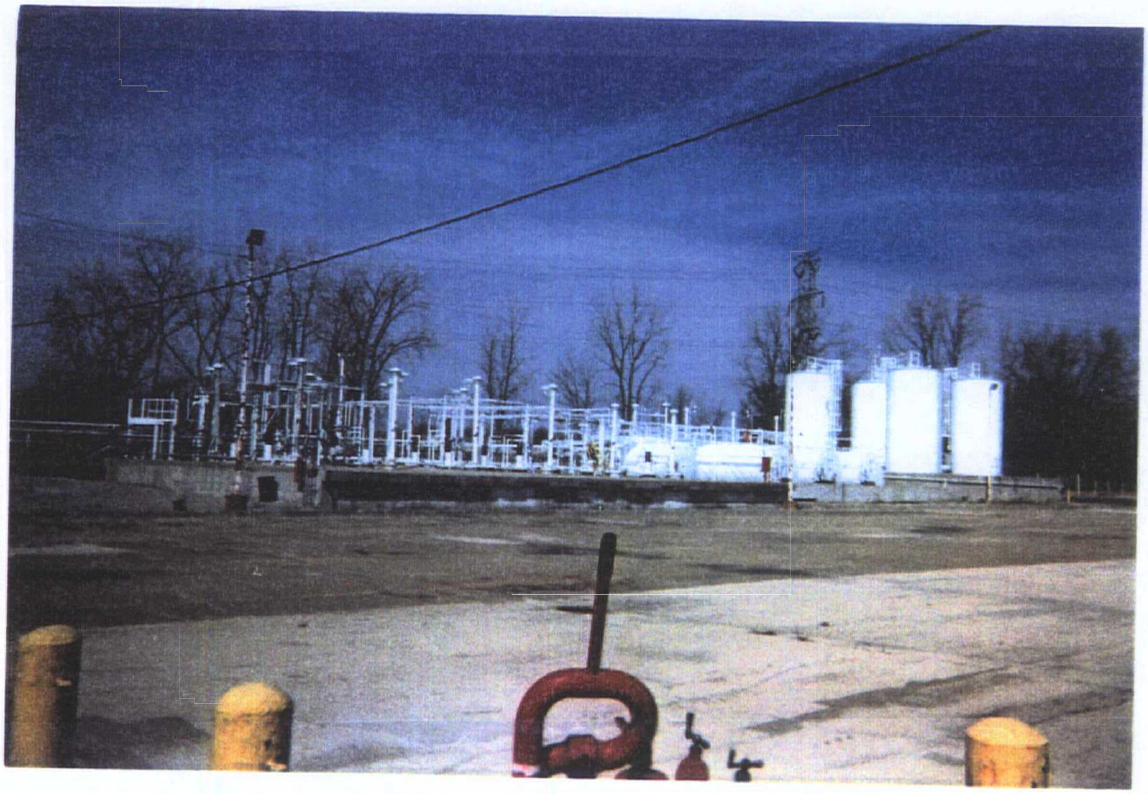
SHUFFLE BOARD FOUNDATIONS ON NORTHERN SIDE OF DIBBLE PARK

VIEW OF DIBBLE PARK FROM SOUTHEASTERN CORNER LOOKING NORTH

CONCRETE/RUBBLE PILE ON NORTH SIDE OF OPERATING AREA

MILL PEBBLES ON THE GROUND

FORMER LOCATION OF PETERSON BUILDING



TANK FARM AREA VIEWED FROM EAST

PROXIMITY OF NEIGHBORS ON EASTERN PROPERTY LINE

SUMP AT TRUCK LOADING STATION

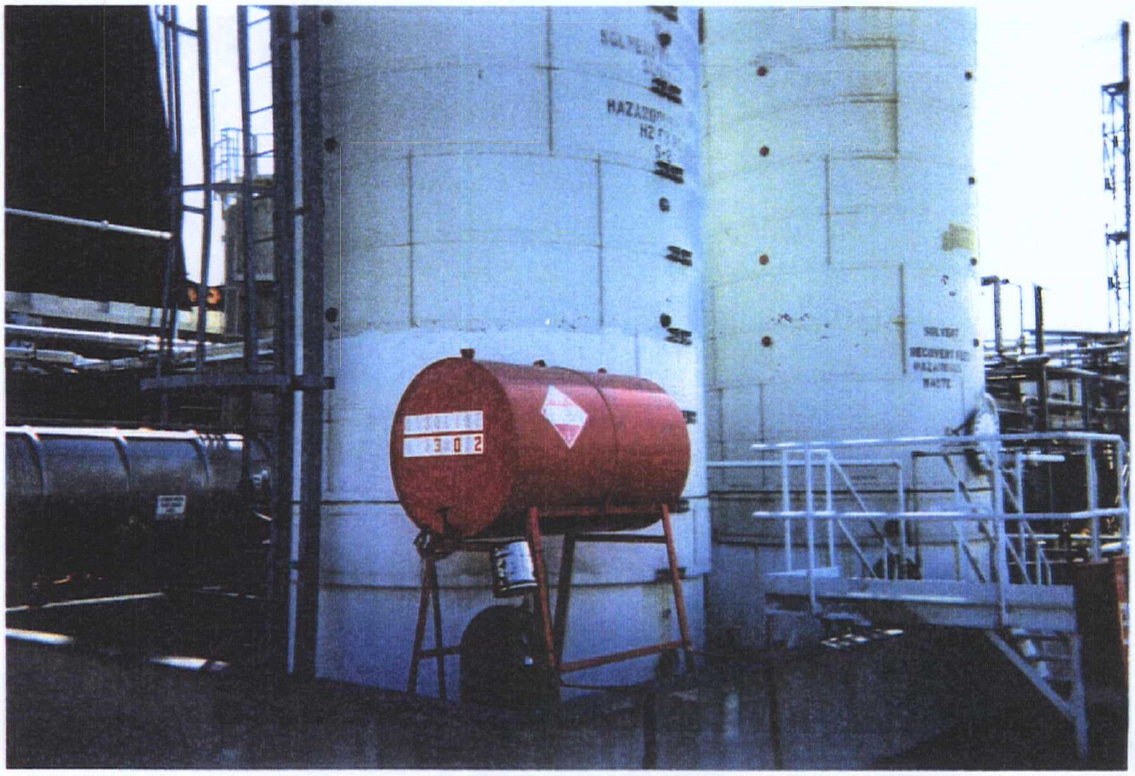
TANK TRAILER LOADING STATION

FORMER RAW MATERIAL STORAGE AREA

BUILDING 1 DEMOLITION

BUILDING 1 DEMOLITION

TANK STORAGE AREA



TANK STORAGE AREA

WESTERN PROPERTY BOUNDARY LOOKING NORTH

SITE: ______________________

STATE: ______________________

- ☐ GENERAL
- ☐ AIR
- ☐ WATER
- ☐ SOLID/HAZARD WASTE
- ☐ PROBLEM DISPOSAL SITE
- ☐ TSCA
- ☐ OSHA
- ☐ OTHER

SUBJECT: ______________________

FILE LOCATION: ______________________

- ☐ OFFICE
- ☐ ENV. DIV FR
- ☐ RECORD CENTER
- ☐ DISCARD/SHRED

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